

TR636E-20041  
Rev.3

## Temperature Rise Test Report

### IT3 SERIES

APPROVED	TY. ARAI	March 26, 2009
CHECKED	TM.MATSUO	March 26, 2009
PREPARED	MN.NAGATA	March 26, 2009



HIROSE ELECTRIC

- [1] Objective  
To verify current carrying capacity of IT3 Series.
- [2] Specimens
- 2-1 Product name  
IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA  
IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA  
IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA  
IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA  
IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA
- 2-2 Wire connection  
Daisy chain for 1) Signal pins  
2) Ground shields  
3) Signal pins + Ground shields
- 2-3 Number of specimens  
Three sets of each
- [3] Test Period:  
From: 2008-10-20  
To: 2008-11-21
- [4] Test Temperature:  
15 °C to 35 °C
- [5] Test Humidity:  
85 %RH max

# 1 Current Carrying Capacity

Applicable standard: EIA-364-70A

## 1.1 Requirements

Verify derating curve and temperature rise curve.

## 1.2 Test Method

Measure and record both specimen temperature and ambient temperature as current is applied through stated conditions. Prepare both derating and temperature rise curves showing results as per EIA-364-70A test specification.

Connection method:

	Number of signal pins with current applied					
# of signal wafer	1	2	3	5	7	10
Column No.	#15	#15-16	#14-16	#13-17	#12-18	#10-19
Signal pin	10 pins	20 pins	30 pins	50 pins	70 pins	100 pins

	Number of ground shields (pins) with current applied					
# of shield wafer	1	2	3	5	7	10
Column No.	#15	#15-16	#14-16	#13-17	#12-18	#10-19
Ground shield	1 shield (9 pins)	2 shields (18 pins)	3 shields (27 pins)	5 shields (45 pins)	7 shields (63 pins)	10 shields (90 pins)

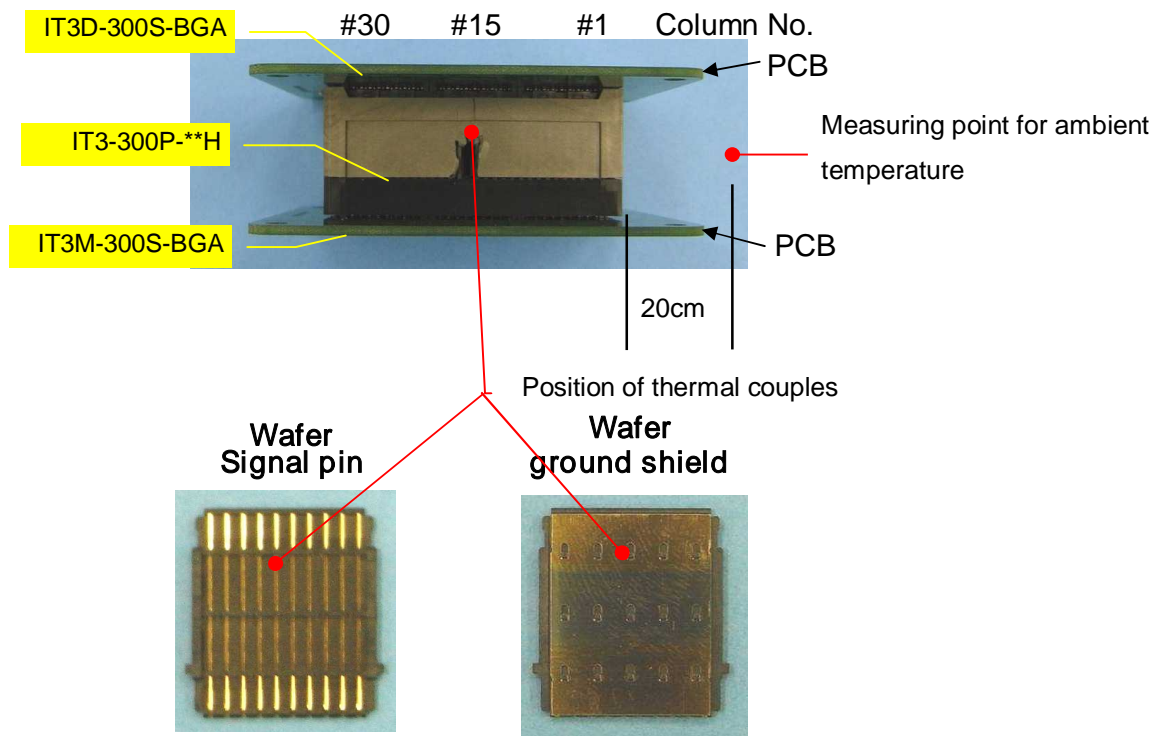
	Number of wafer (signal pins and ground shields) with current applied					
# of wafer	1	2	3	5	7	10
Column No.	#15	#15-16	#14-16	#13-17	#12-18	#10-19
Signal pin + Ground shield	10 pins + 1 shield (9 pins)	20 pins + 2 shields (18 pins)	30 pins + 3 shields (27 pins)	50 pins + 5 shields (45 pins)	70 pins + 7 shields (63 pins)	100 pins + 10 shields (90 pins)

Element for Measurement: Thermocouple (K)

Measuring Point for Measuring Operating Temperature: See below figure

Measuring point for ambient temperature: See below figure

< Position of thermal couples for measuring temperature >



- Note 1) Signal pins or ground shields on each PCB are wired in series.  
 Note 2) Connect PCB to power supply with 20AWG wire, 20cm minimum length.  
 Note 3) Measure temperature value at 5 min. interval until a difference of 1 degree C or less is measured over 3 consecutive (15 min.) intervals.

### 1.3 Test equipment

Test equipment	Model	Manufacturer	Last CAL	Next CAL
Multi-Pen-Recorder	LR8100	YOKOGAWA ELECTRONICS	2007.11	2009.11
Ammeter	PRM-190	KUWANO	2007.12	2008.12
DC power generator	GP035-30	TAKASAGO	-	-

### 1.4 Test results

See next page

- Note 1) Ambient temperature in derating curve is measured relative to 105°C max.

## 1) Number of signal pin with current applied

# of signal wafer	Actual maximum value (T-rise 30 degree C)				
	17H	25H	26H	28H	32H
1 (10 signal pins)	1.8A / pin	1.73A / pin	1.75A / pin	1.7A / pin	1.7A / pin
2 (20 signal pins)	1.4A / pin	1.3A / pin	1.33A / pin	1.3A / pin	1.3A / pin
3 (30 signal pins)	1.13A / pin	1.07A / pin	1.1A / pin	1.05A / pin	1.05A / pin
5 (40 signal pins)	0.95A / pin	0.9A / pin	0.93A / pin	0.9A / pin	0.9A / pin
7 (70 signal pins)	0.83A / pin	0.78A / pin	0.8A / pin	0.78A / pin	0.78A / pin
10 (100 signal pins)	0.83A / pin	0.8A / pin	0.8A / pin	0.78A / pin	0.78A / pin

## 2) Number of shield with applied

# of shield wafer	Actual maximum value (T-rise 30 degree C)				
	17H	25H	26H	28H	32H
1 (9 pins)	15.2A / shield (9pin) 1.68A / pin	15A / shield (9pin) 1.66A / pin	15.5A / shield (9pin) 1.7A / pin	16A / shield (9pin) 1.78A / pin	16.3A / shield (9pin) 1.81A / pin
2 (18 pins)	14.5A / shield (9pin) 1.61A / pin	14A / shield (9pin) 1.55A / pin	14.3A / shield (9pin) 1.58A / pin	14.8A / shield (9pin) 1.64A / pin	15A / shield (9pin) 1.67A / pin
3 (27 pins)	13A / shield (9pin) 1.44A / pin	12.5A / shield (9pin) 1.38A / pin	13.5A / shield (9pin) 1.5A / pin	13.8A / shield (9pin) 1.53A / pin	14A / shield (9pin) 1.55A / pin
5 (45 pins)	12A / shield (9pin) 1.33A / pin	11.5A / shield (9pin) 1.27A / pin	11.7A / shield (9pin) 1.3A / pin	12A / shield (9pin) 1.33A / pin	12.5A / shield (9pin) 1.38A / pin
7 (63 pins)	11A / shield (9pin) 1.2A / pin	10.8A / shield (9pin) 1.2A / pin	11A / shield (9pin) 1.2A / pin	11.2A / shield (9pin) 1.24A / pin	11.5A / shield (9pin) 1.38A / pin
10 (90 pins)	10A / shield (9pin) 1.1A / pin	10A / shield (9pin) 1.1A / pin	10.2A / shield (9pin) 1.13A / pin	10.4A / shield (9pin) 1.15A / pin	10.5A / shield (9pin) 1.16A / pin

## 3) Number of wafer (signal pin and shield) with current applied

# of wafer	Actual maximum value (T-rise 30 degree C)				
	17H	25H	26H	28H	32H
1	18A / wafer	17.5A / wafer	17.5A / wafer	18A / wafer	18.5A / wafer
2	17A / wafer	17A / wafer	17A / wafer	17.5A / wafer	17.5A / wafer
3	16A / wafer	16A / wafer	16A / wafer	16.2A / wafer	16.2A / wafer
5	15A / wafer	14.5A / wafer	14.5A / wafer	15A / wafer	15A / wafer
7	14A / wafer	13.5A / wafer	13.5A / wafer	14A / wafer	14A / wafer
10	13A / wafer	12.5A / wafer	12.5A / wafer	13A / wafer	13A / wafer

Product name

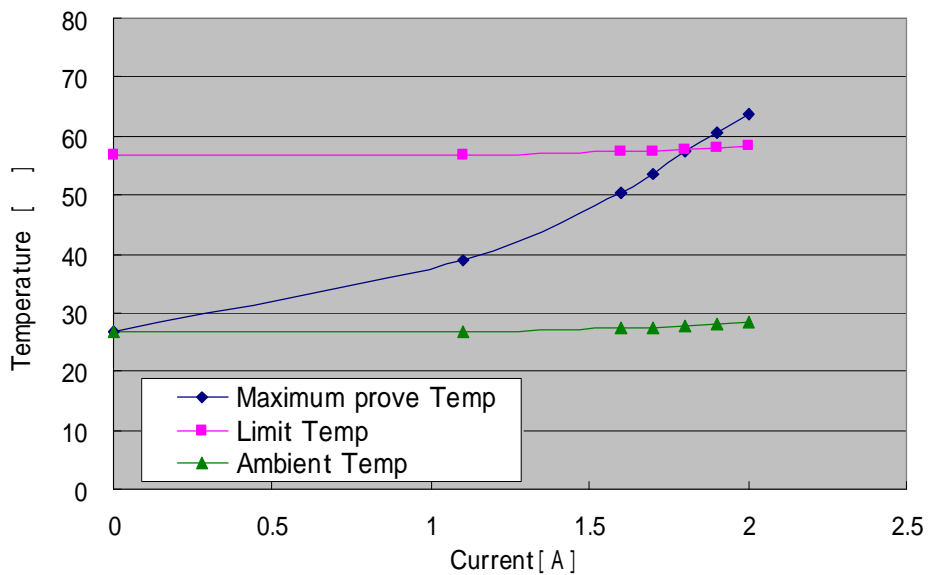
IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

Wire connection

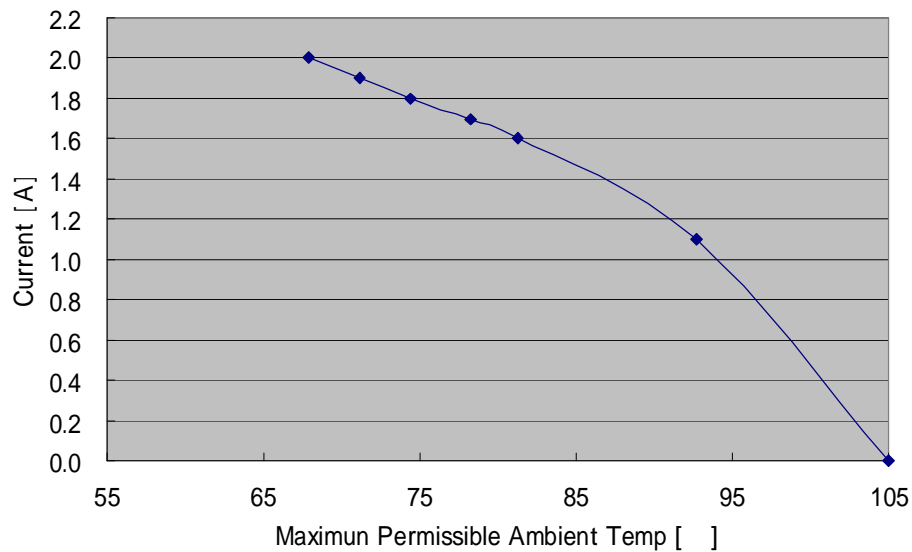
Daisy chain for signal pins

IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

10 Signal Contacts Temperature vs Current

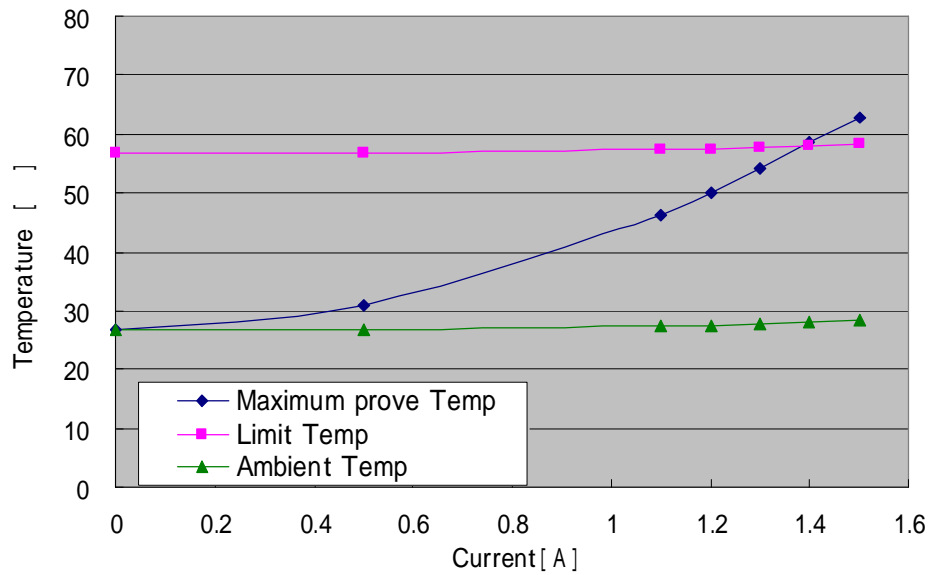


10 Signal Contacts current carrying capacity

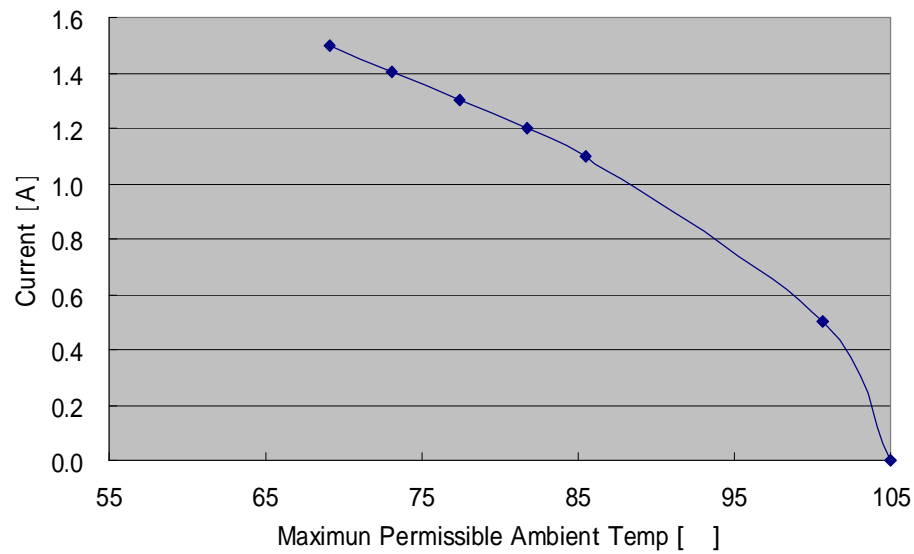


IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

20 Signal Contacts Temperatue vs Current

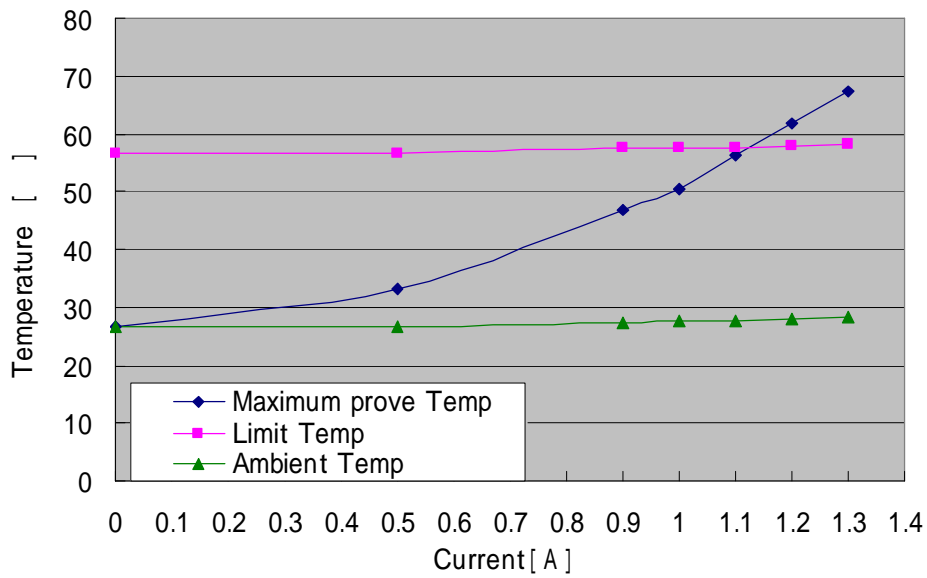


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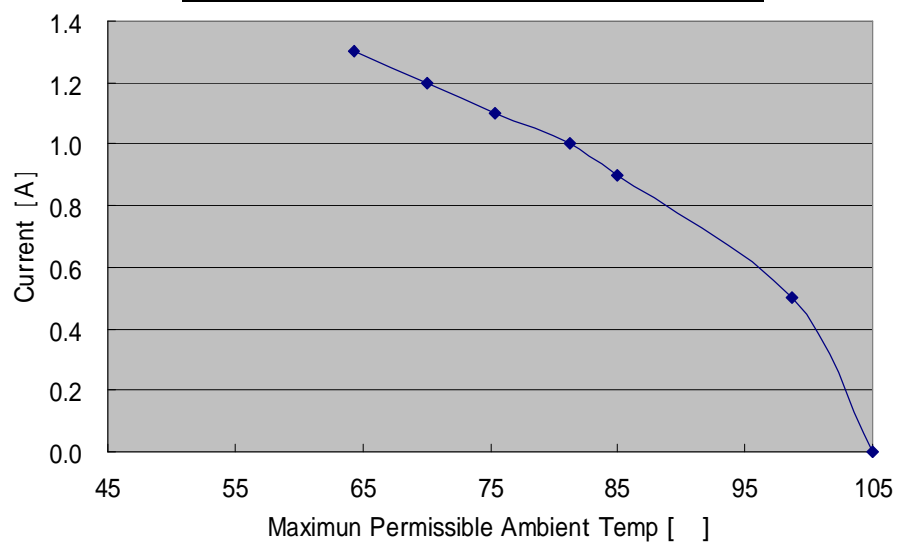


IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

30 Signal Contacts Temperature vs Current

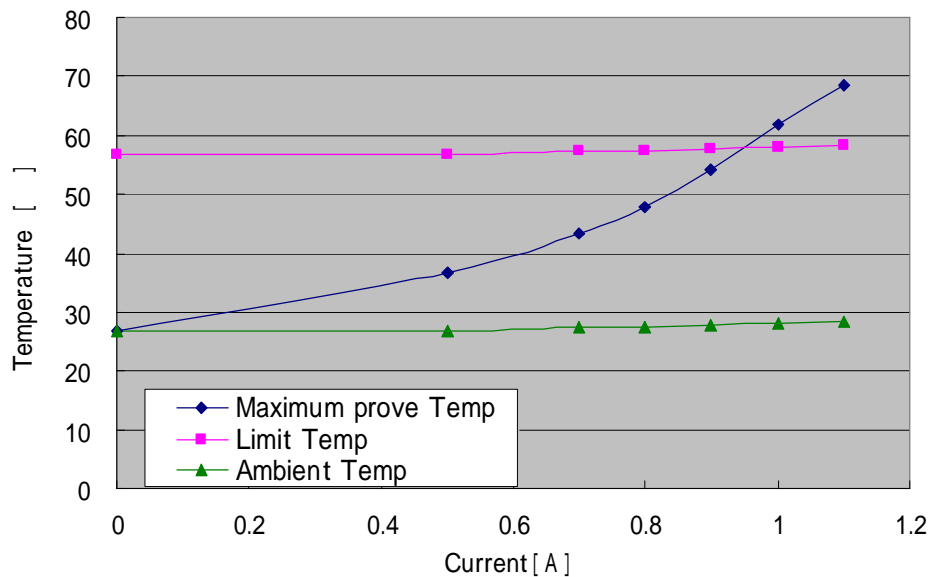


30 Signal Contacts current carrying capacity

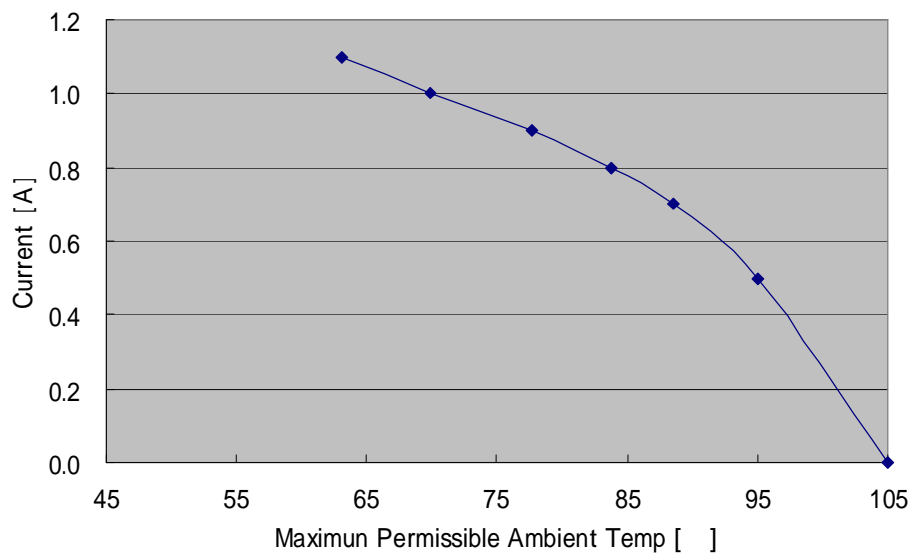


IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

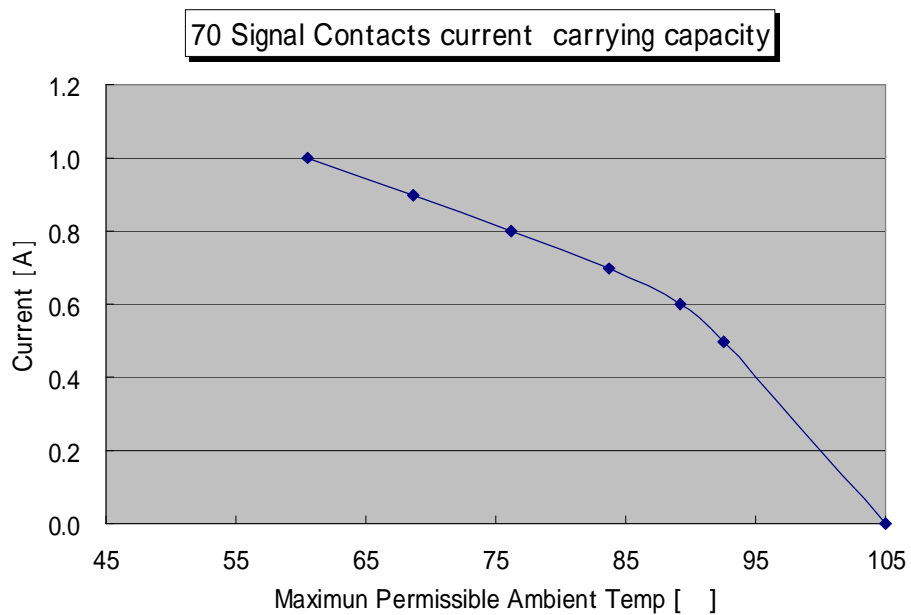
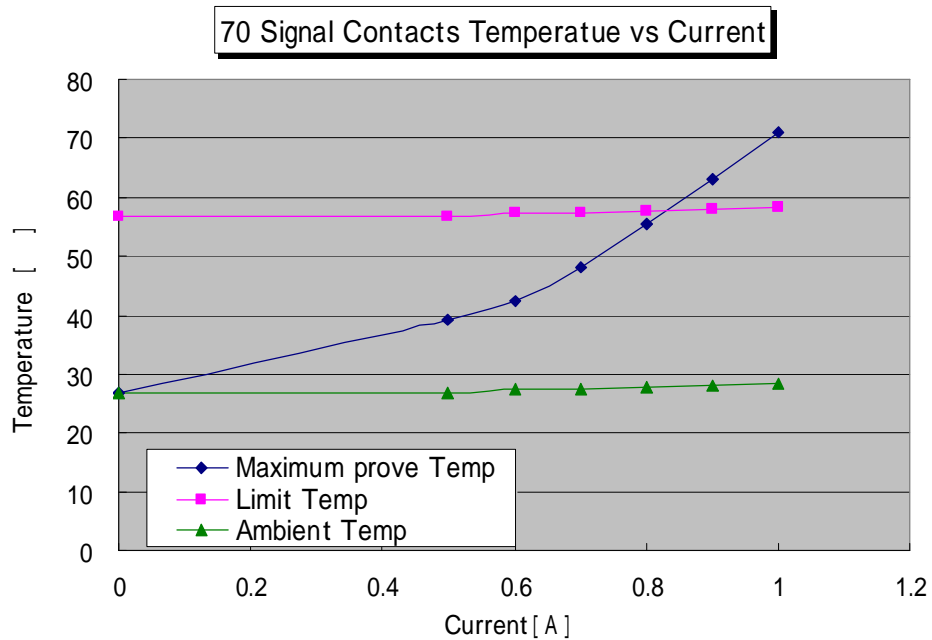
50 Signal Contacts Temperature vs Current



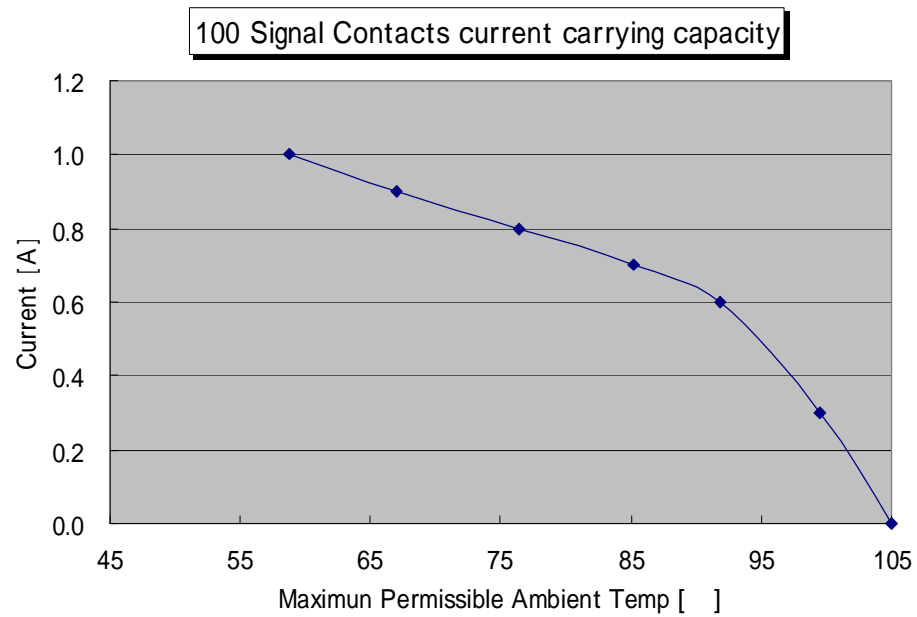
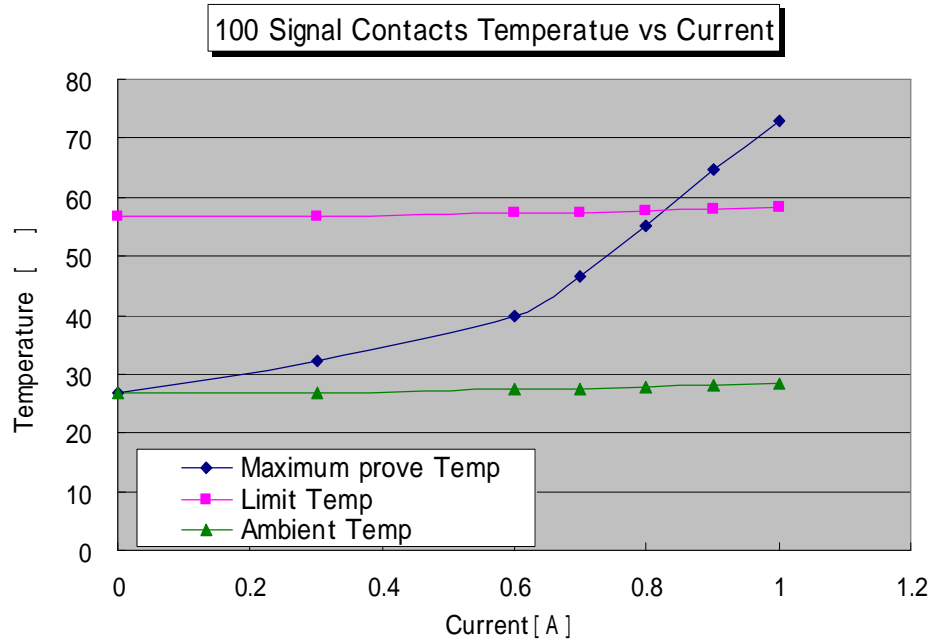
50 Signal Contacts current carrying capacity



IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA



Product name

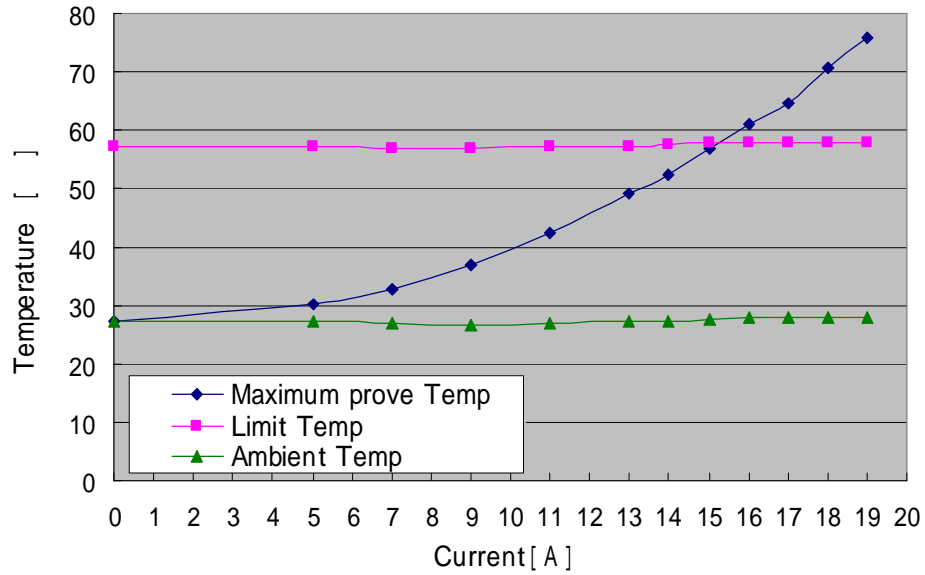
IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

Wire connection

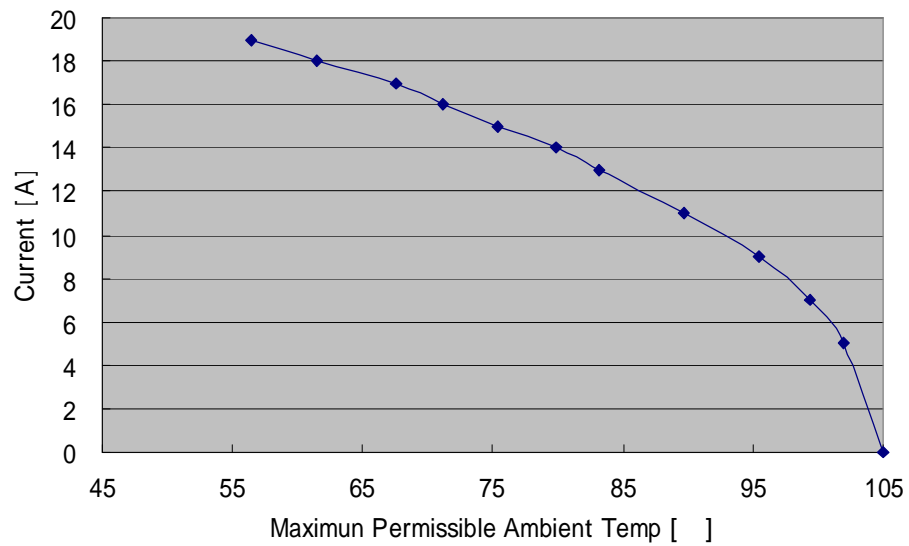
Daisy chain for ground shields

IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

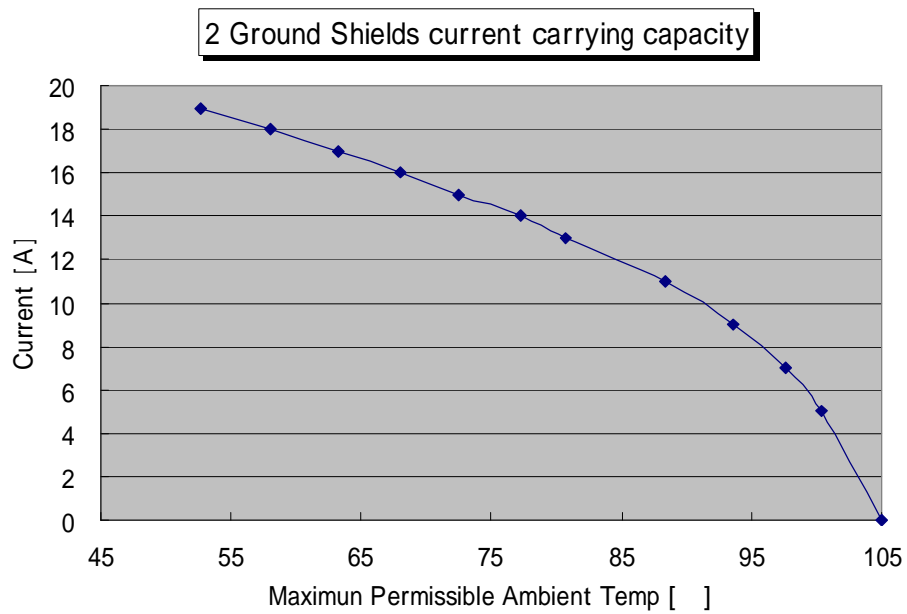
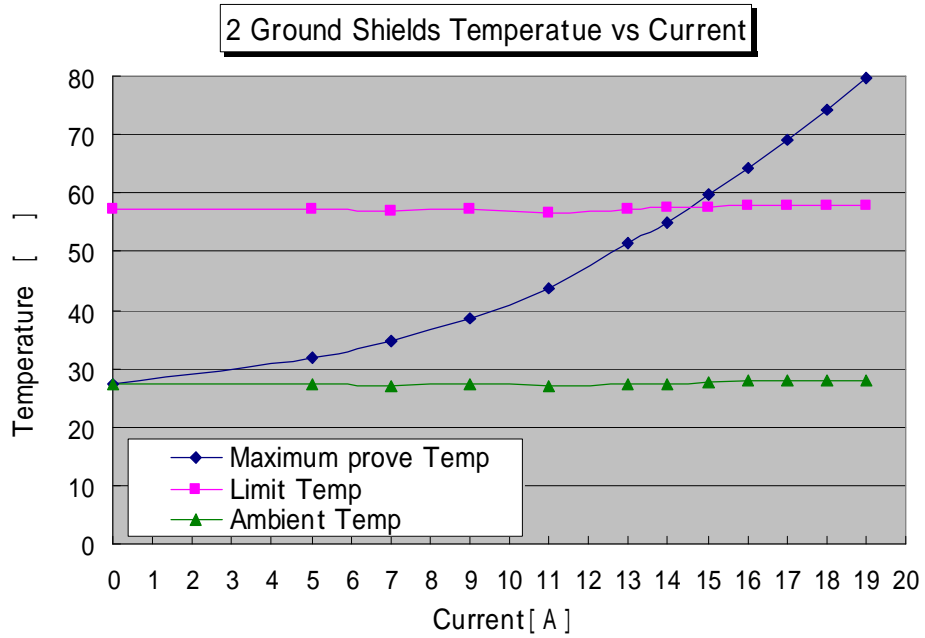
1 Ground Shield Temperatue vs Current



1 Ground Shield current carrying capacity

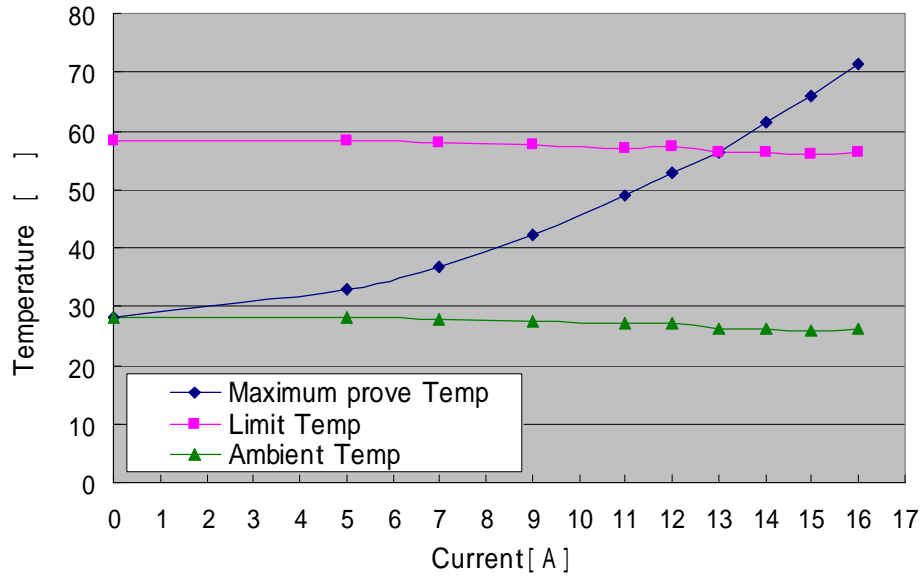


IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

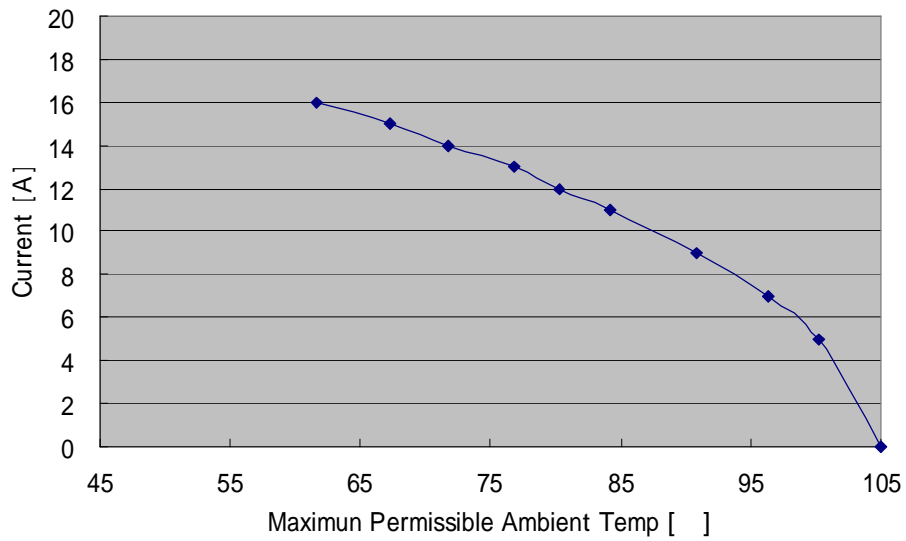


IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

3 Ground Shields Temperature vs Current

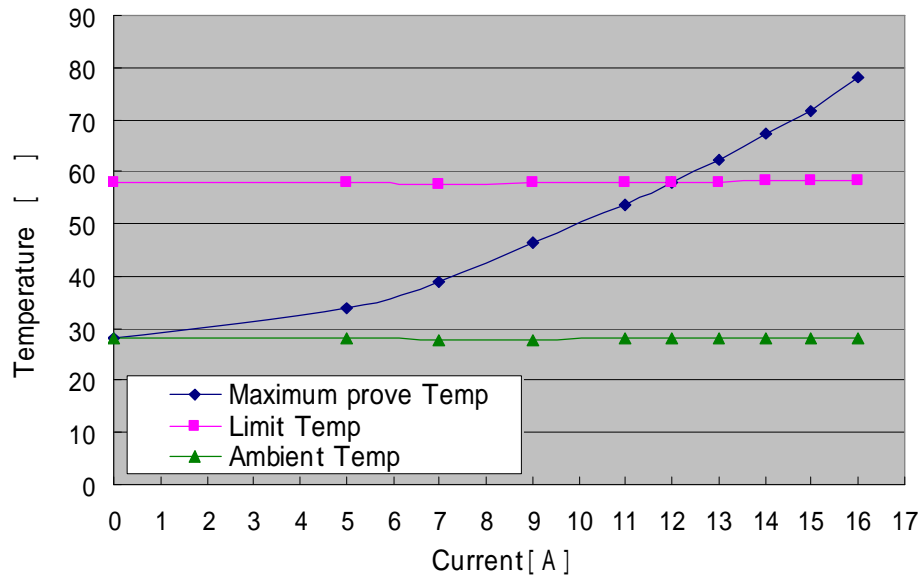


3 Ground Shields current carrying capacity

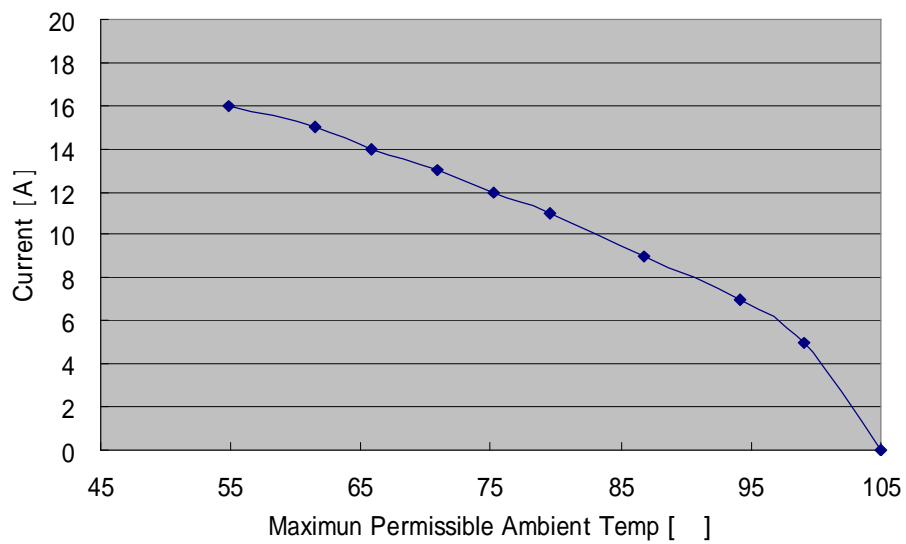


IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

5 Ground Shields Temperatue vs Current

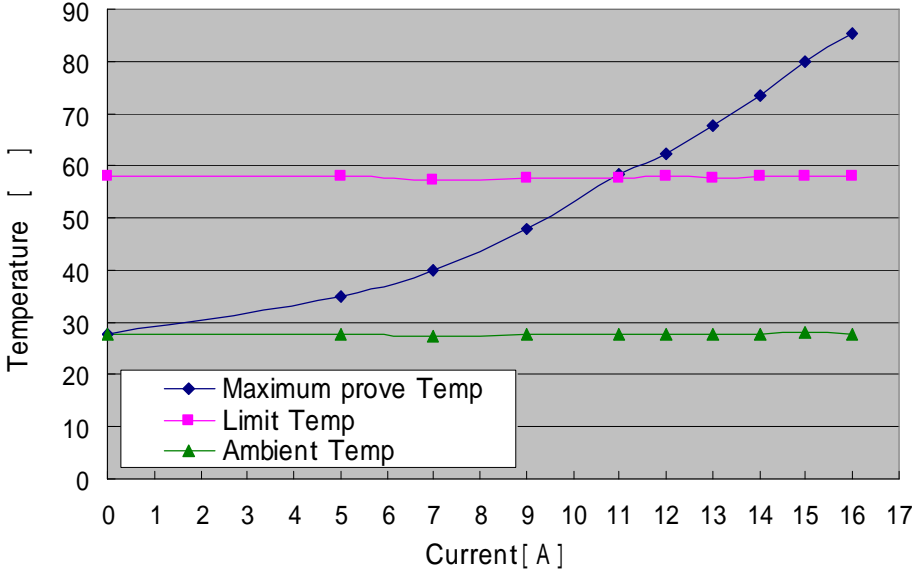


5 Ground Shields current carrying capacity

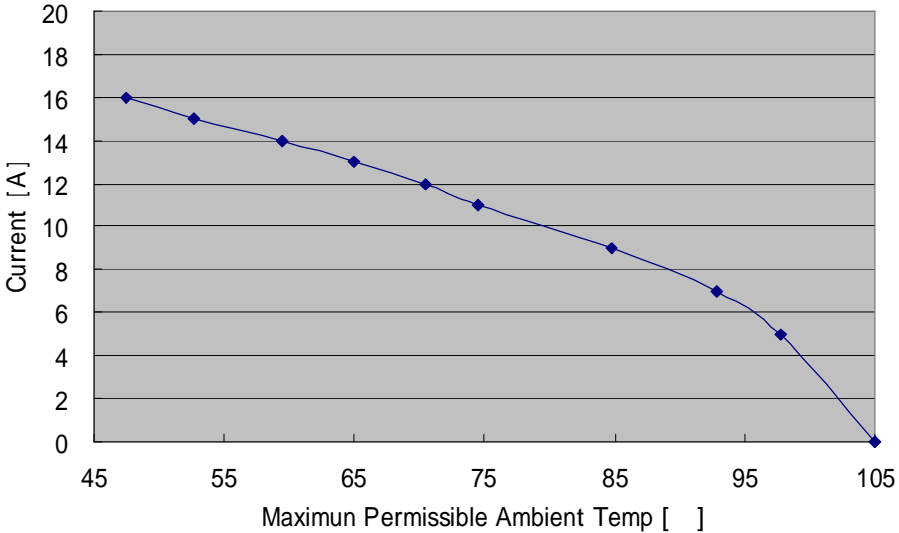


IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

7 Ground Shields Temperatue vs Current

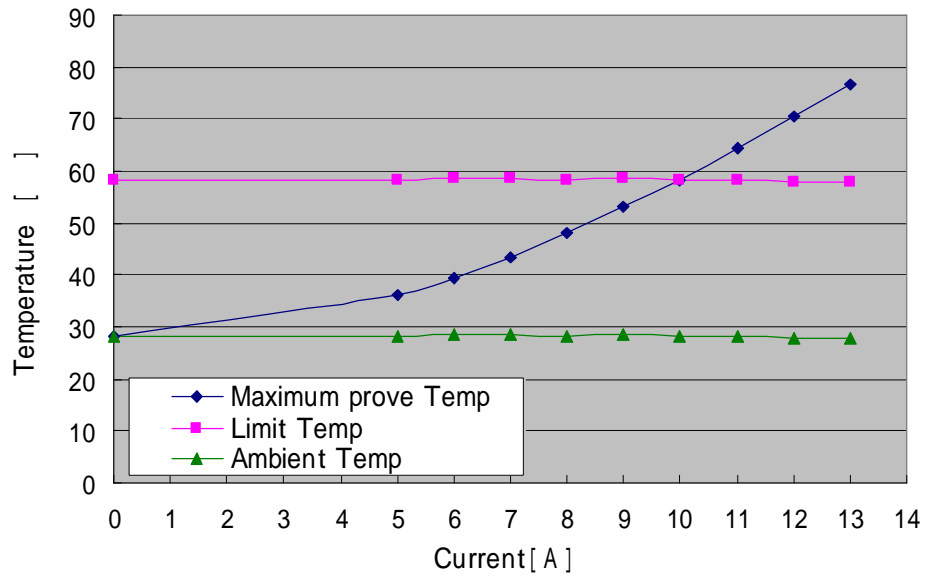


7 Ground Shields current carrying capacity

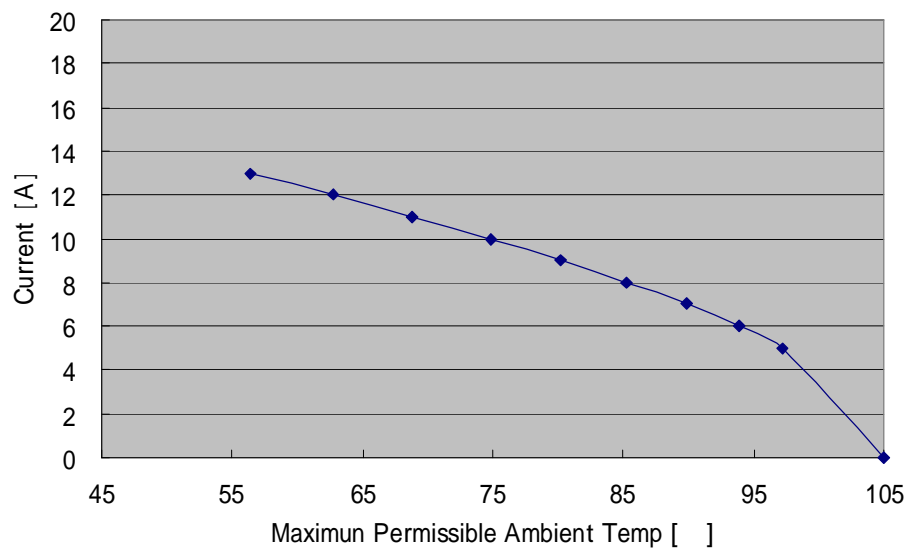


IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

10 Ground Shields Temperatue vs Current



10 Ground Shields current carrying capacity



Product name

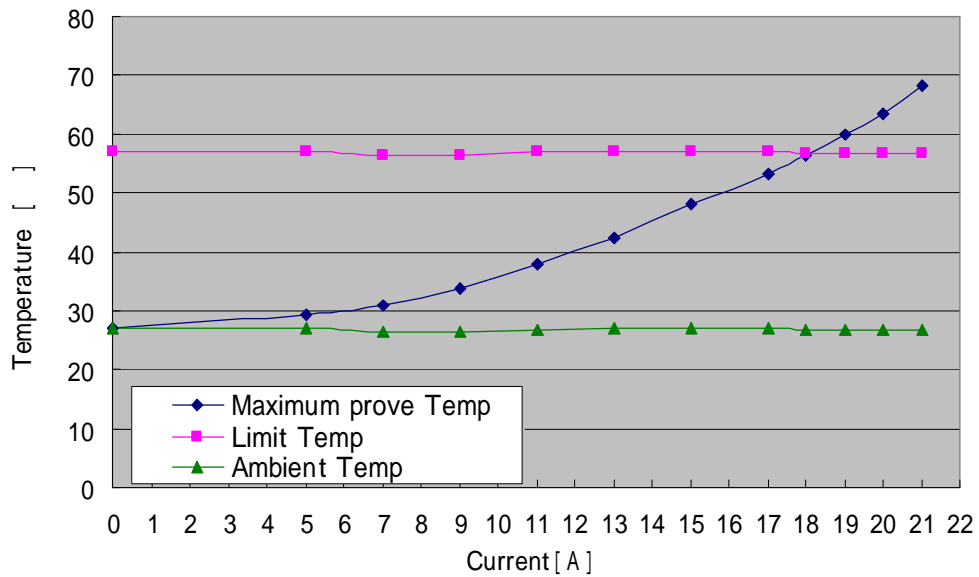
IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

Wire connection

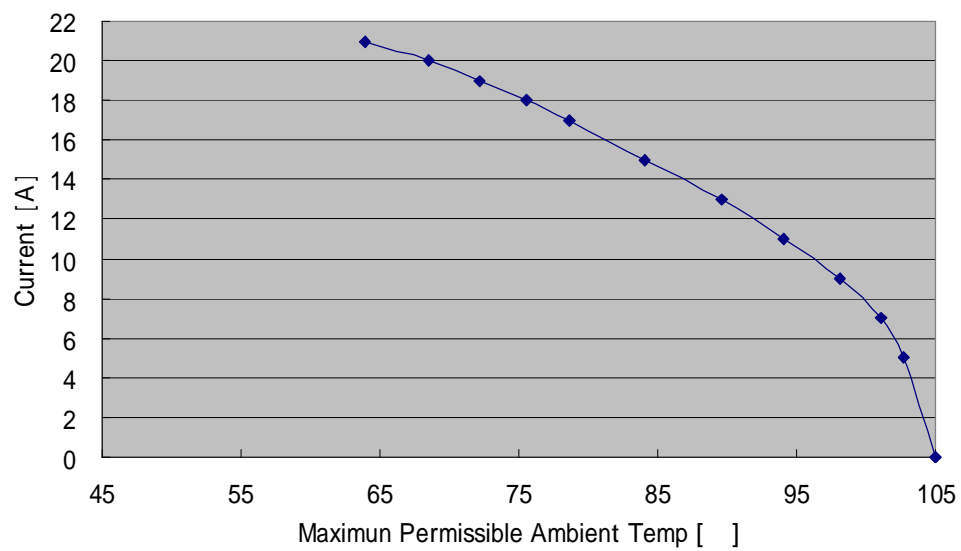
Daisy chain for wafer (signal pins + ground shields)

IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

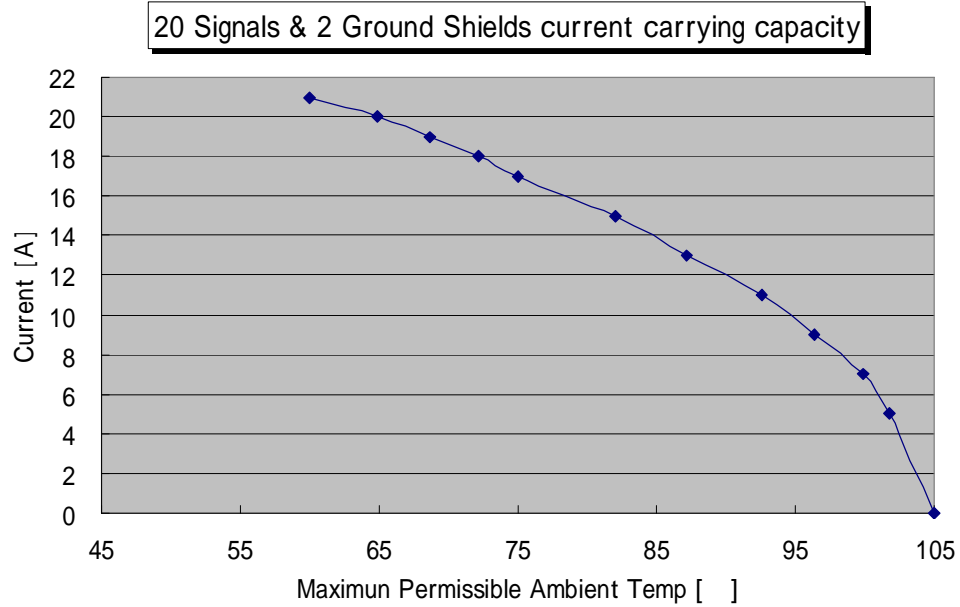
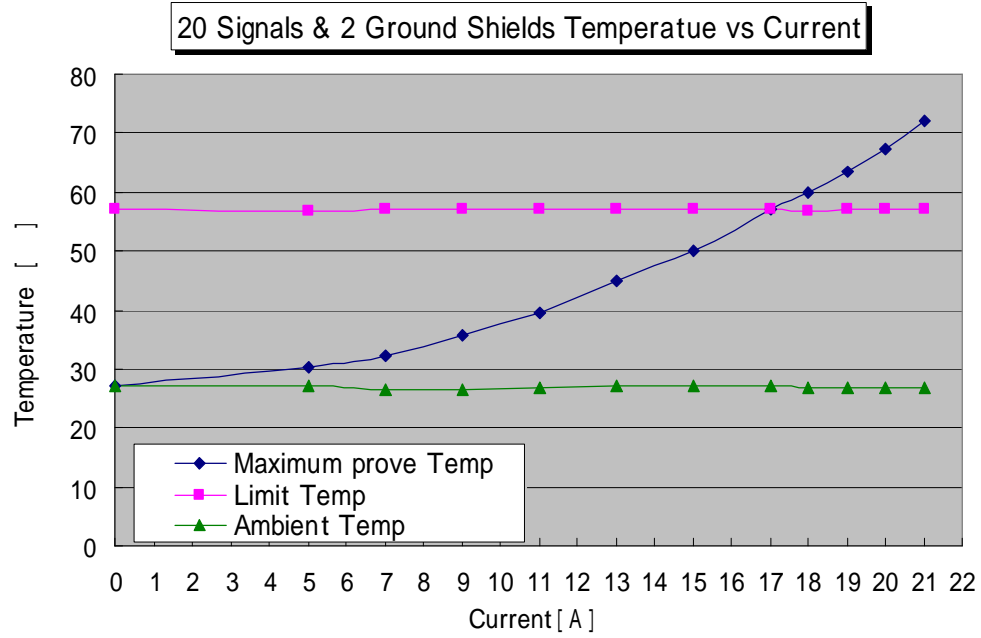
10 Signals & 1 Ground Shield Temperature vs Current



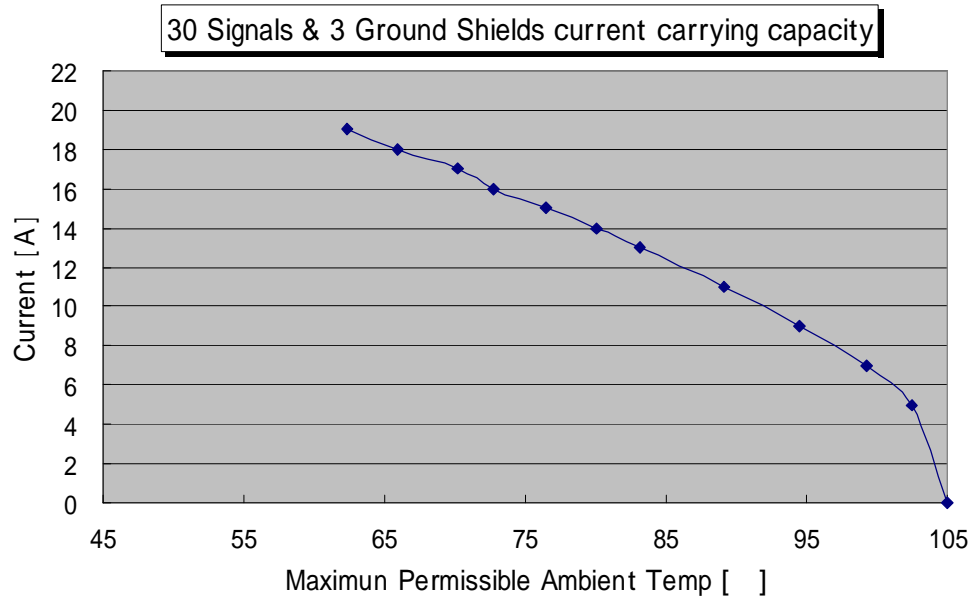
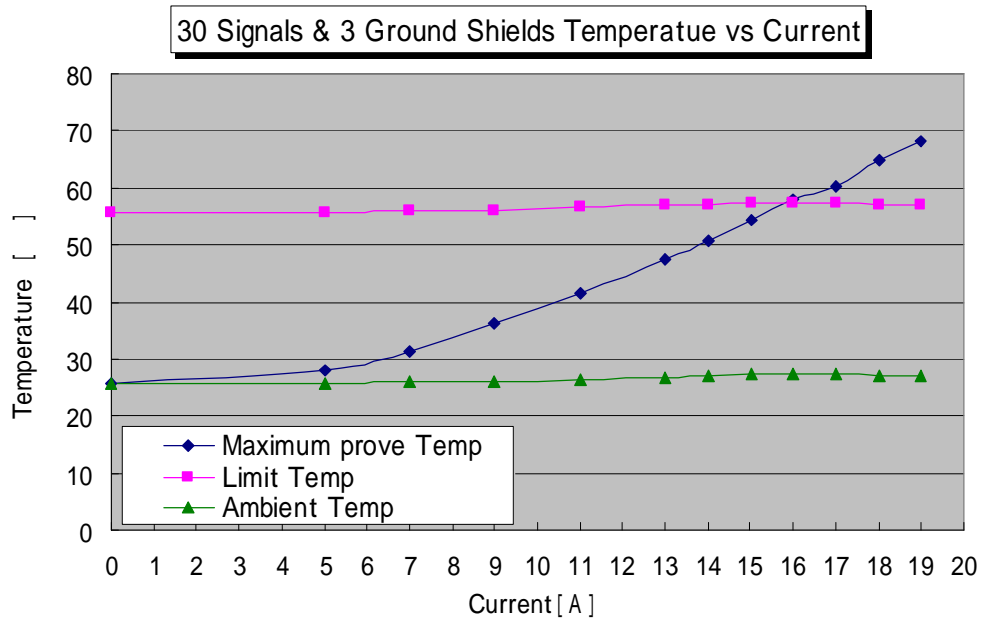
10 Signals & 1 Ground Shield current carrying capacity



IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

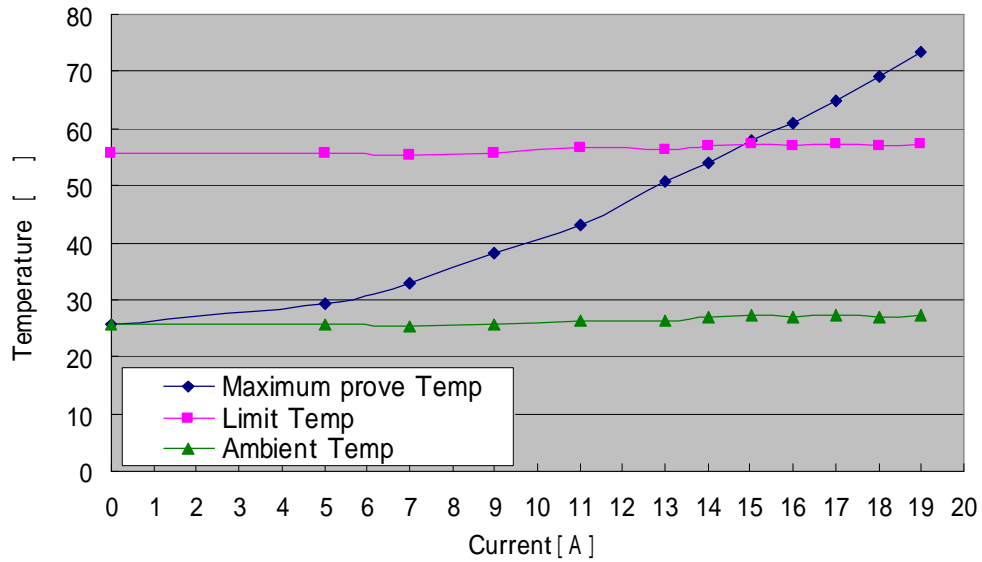


IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

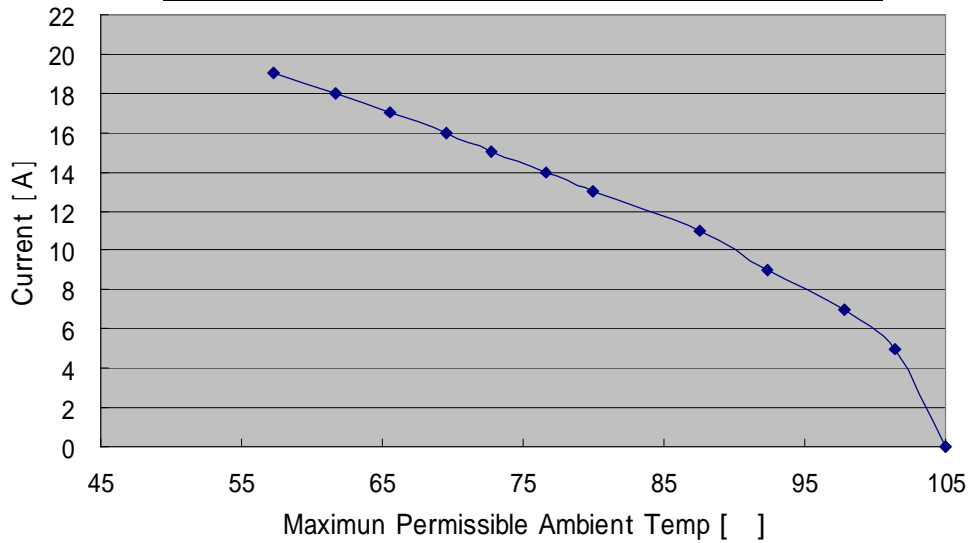


IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA

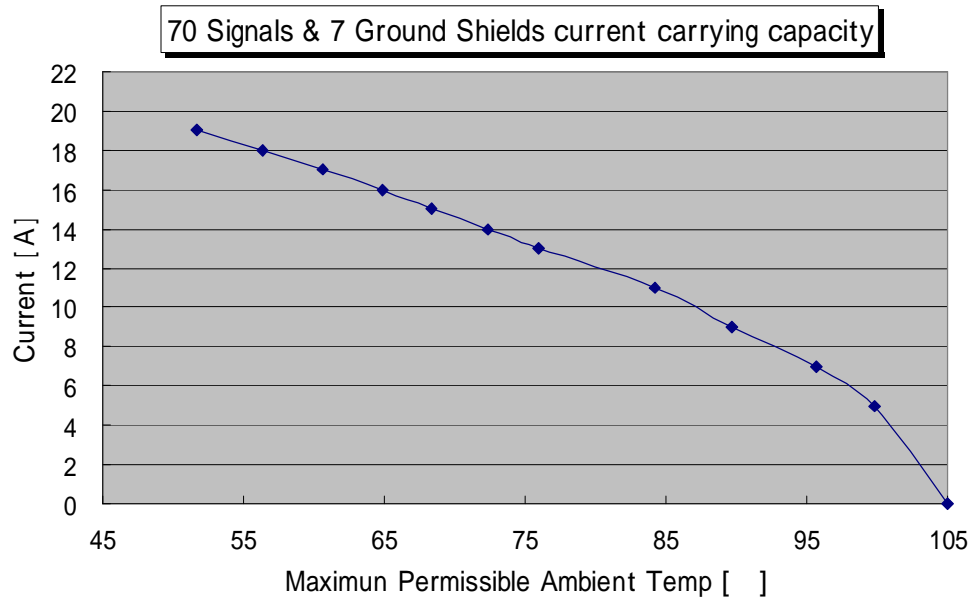
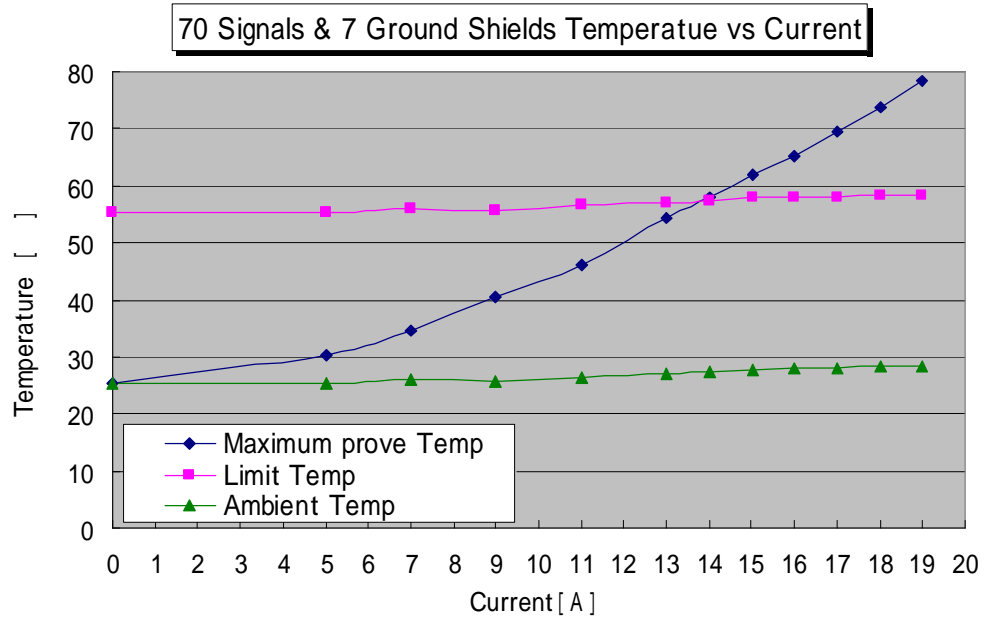
50 Signals & 5 Ground Shields Temperature vs Current



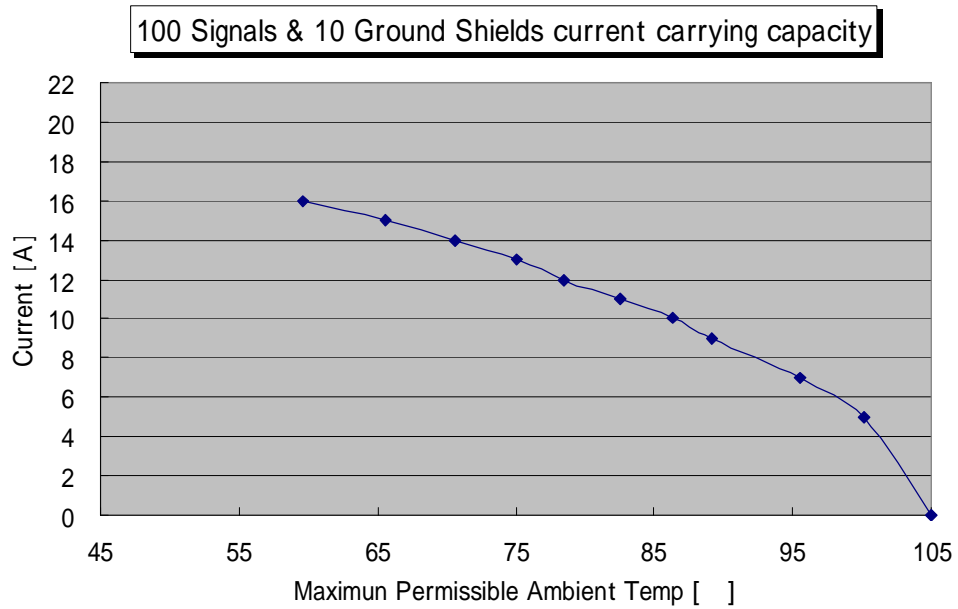
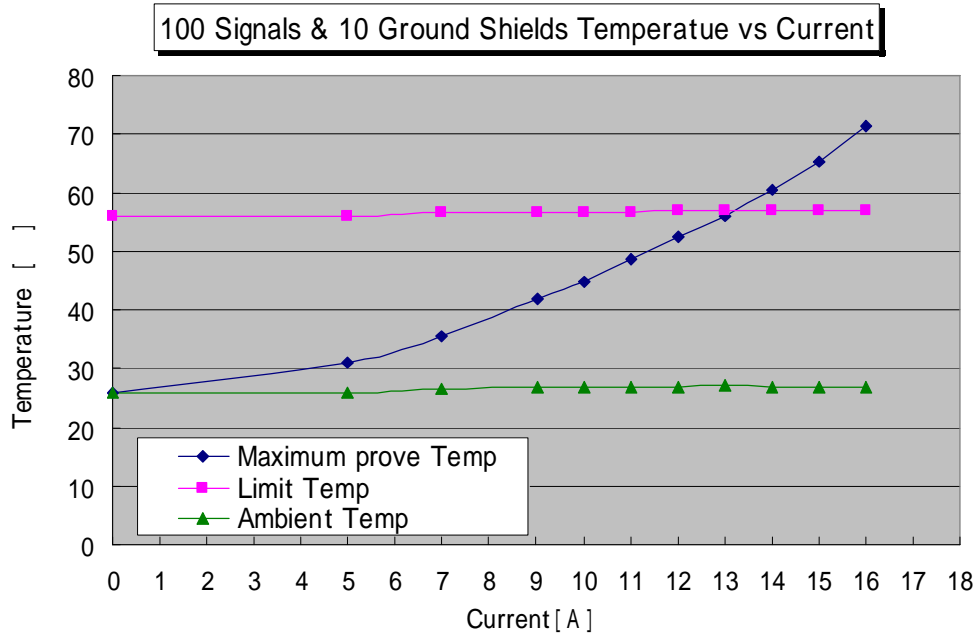
50 Signals & 5 Ground Shields current carrying capacity



IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-17H / IT3D-300S-BGA



Product name

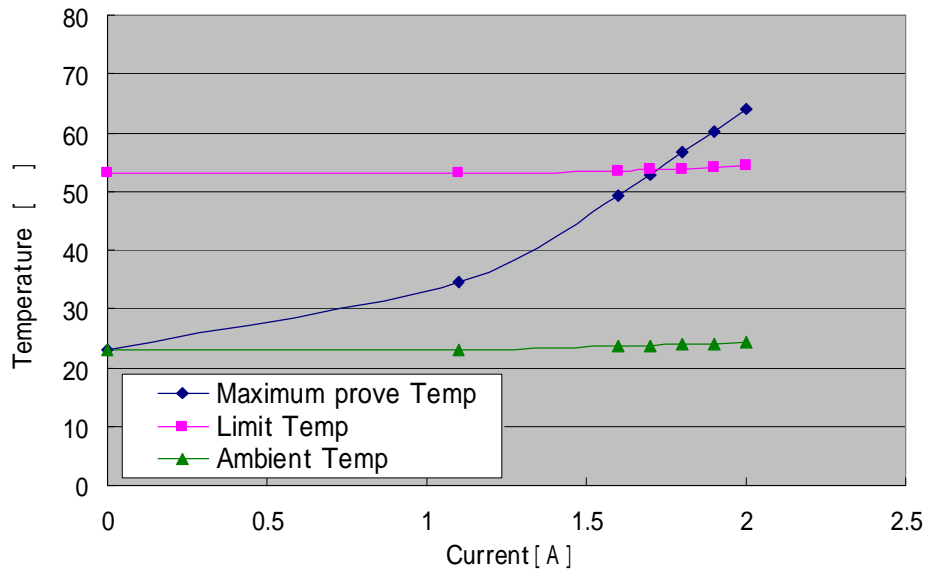
IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA

Wire connection

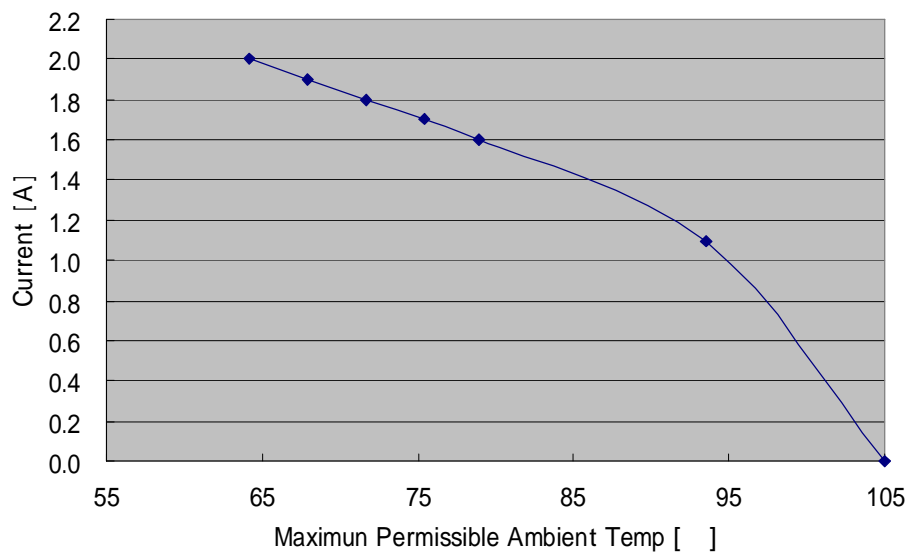
Daisy chain for signal pins

IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA

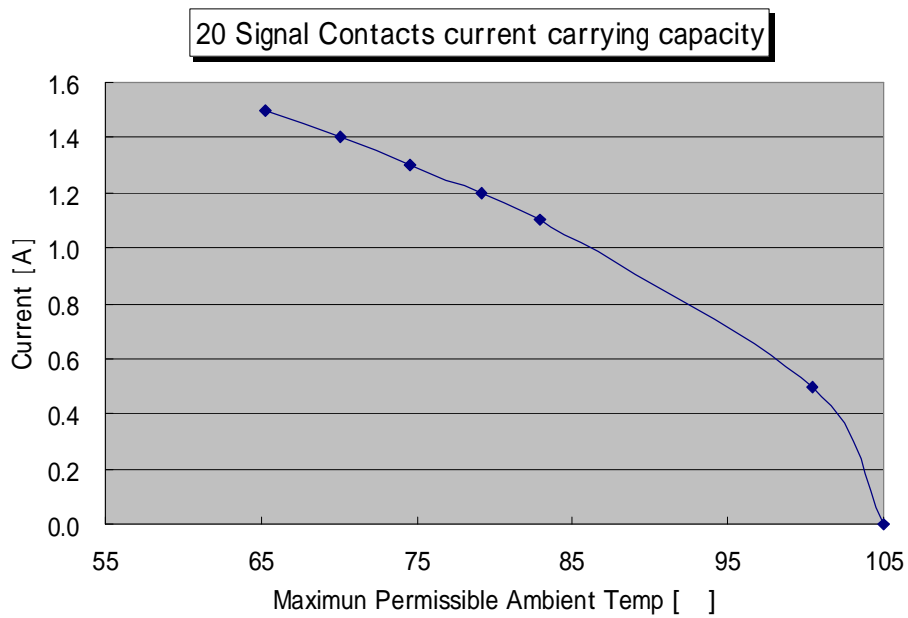
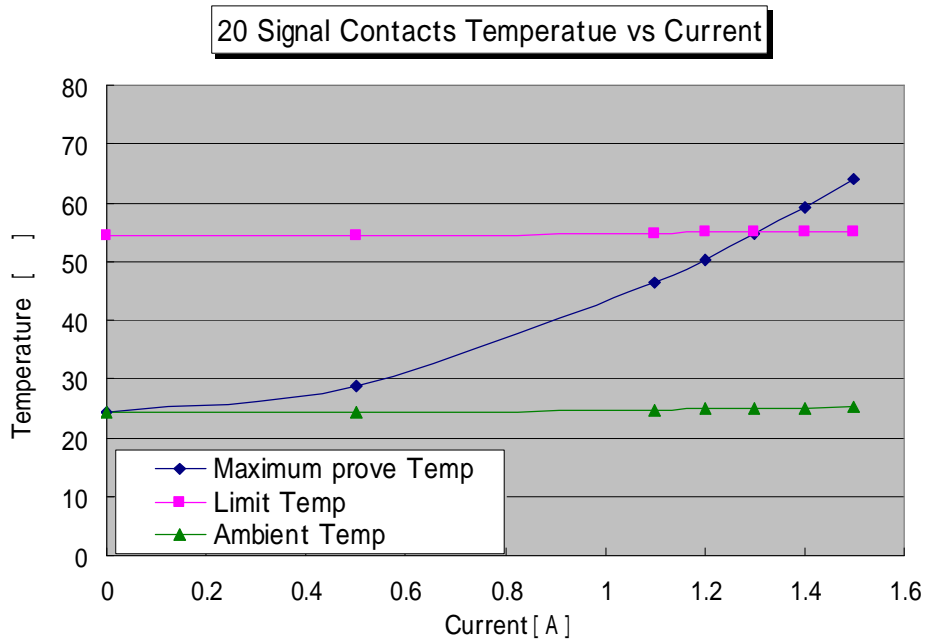
10 Signal Contacts Temperature vs Current



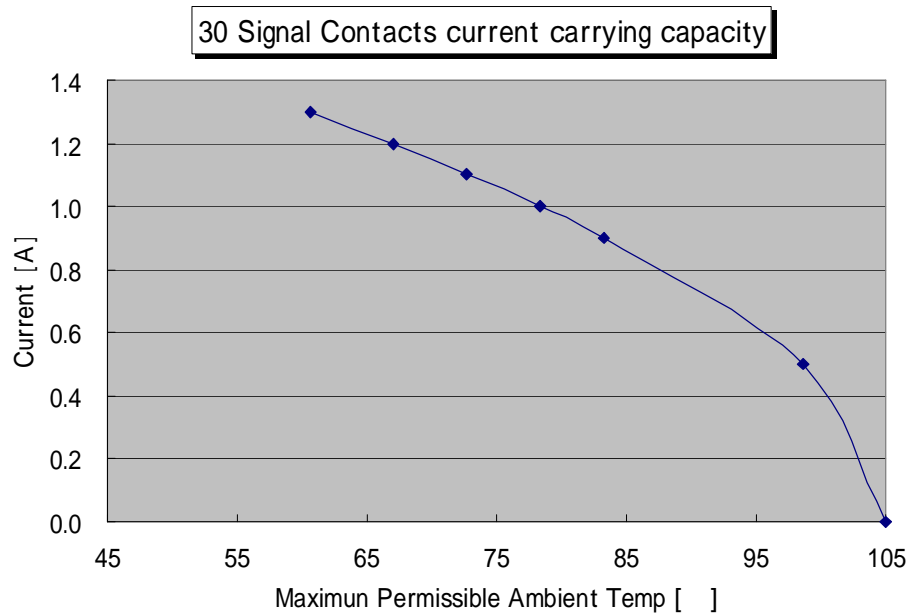
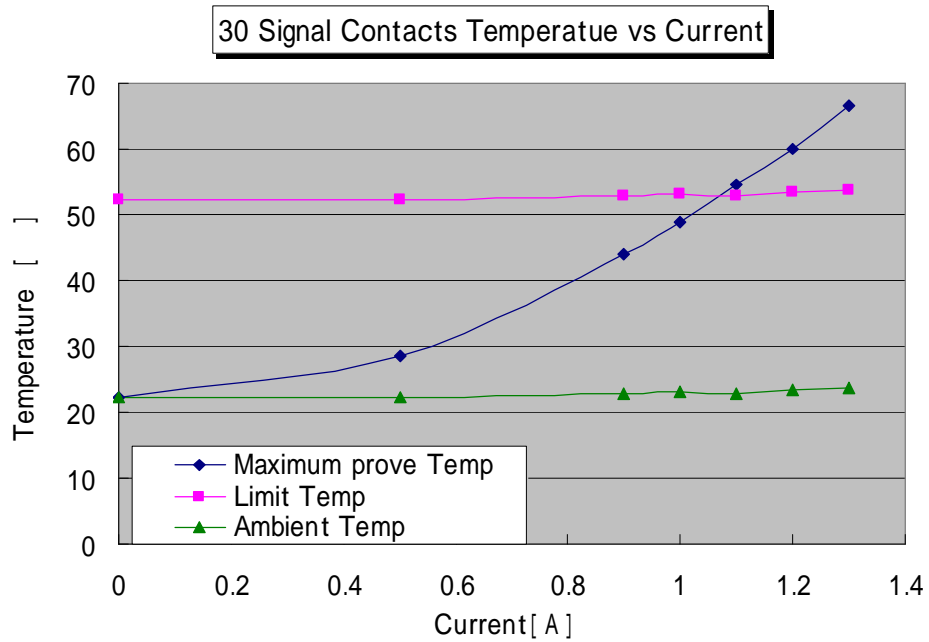
10 Signal Contacts current carrying capacity



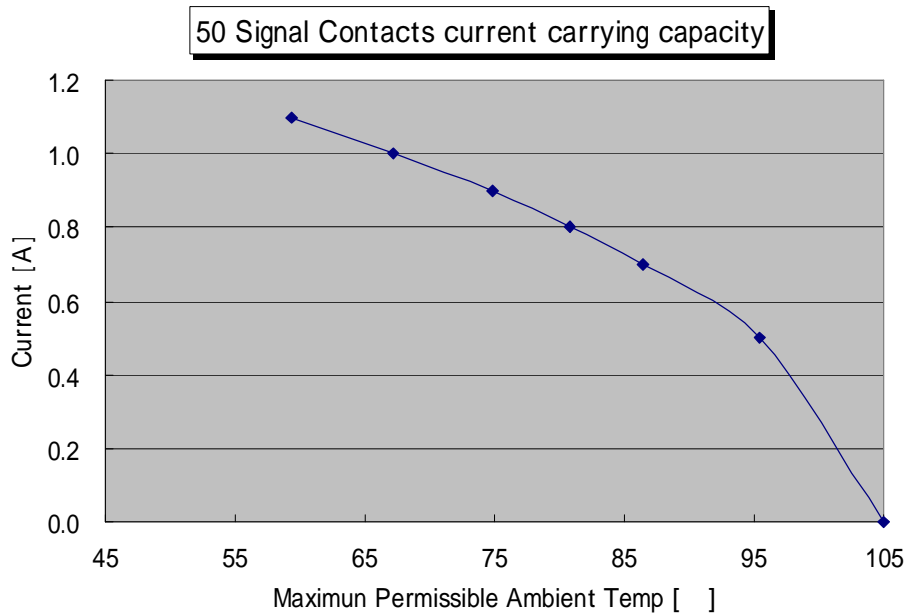
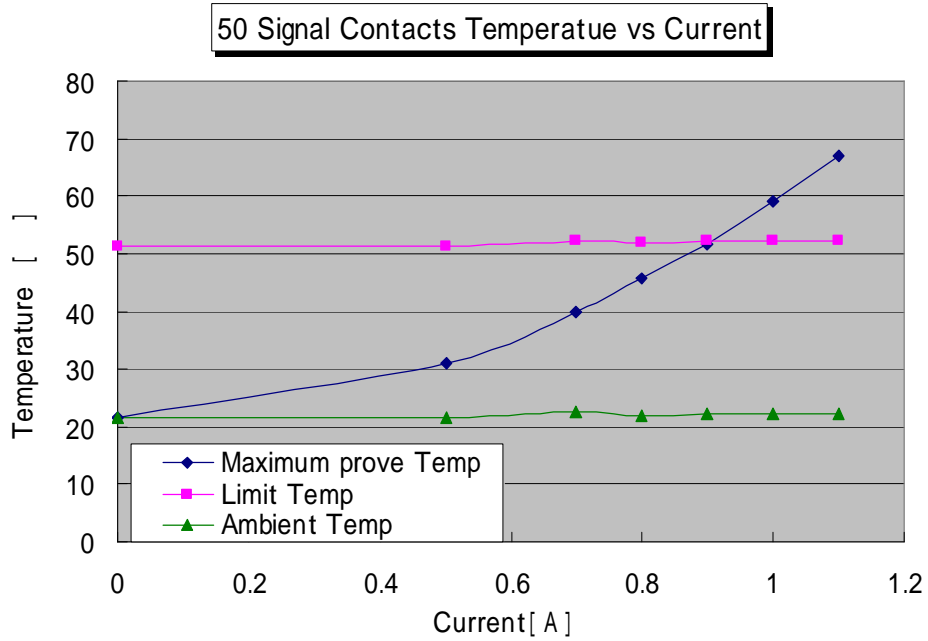
IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



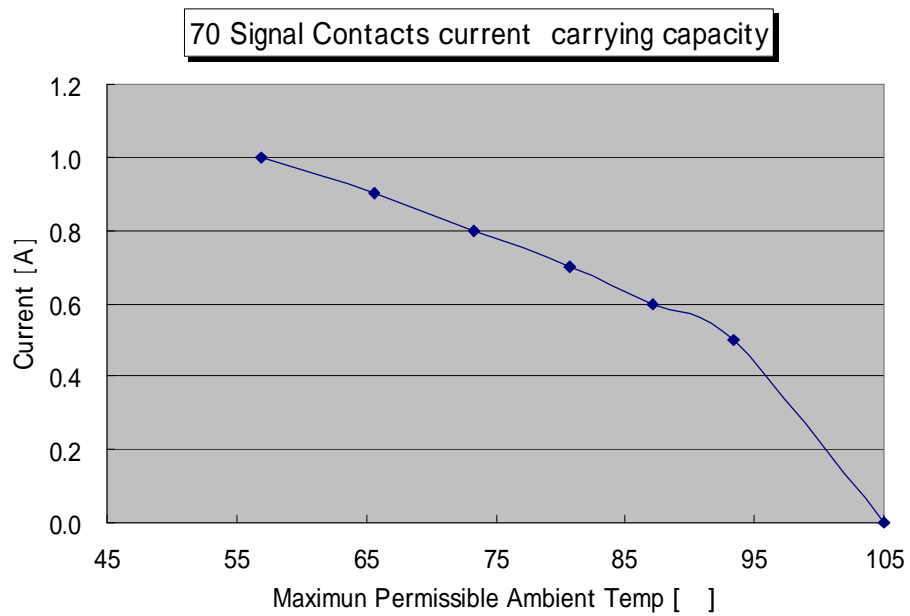
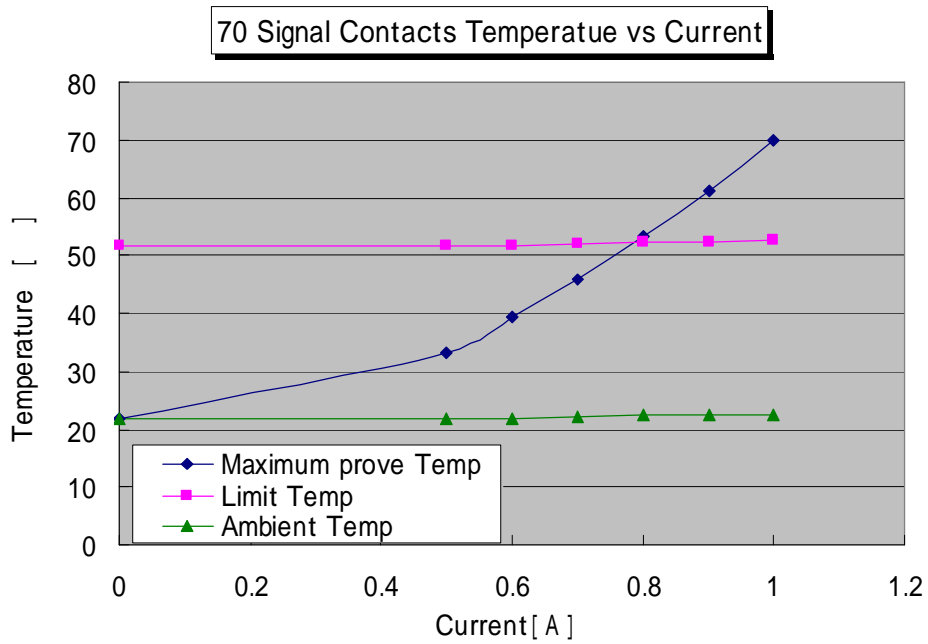
IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



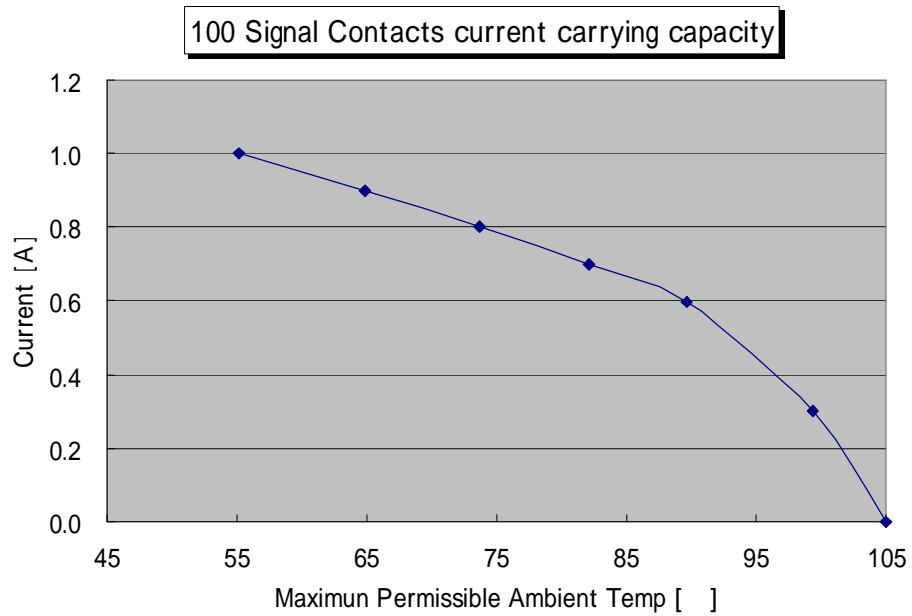
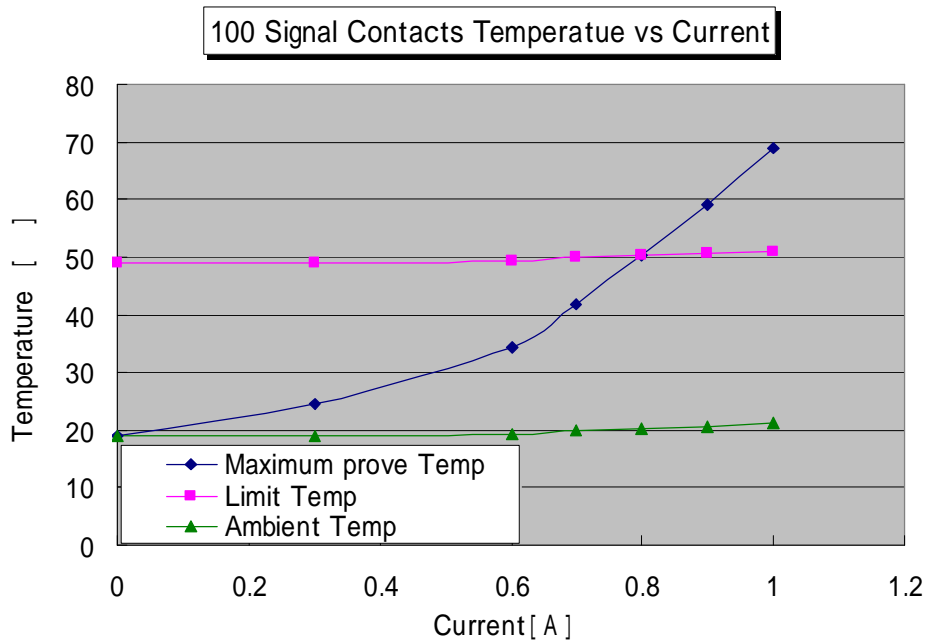
IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



Product name

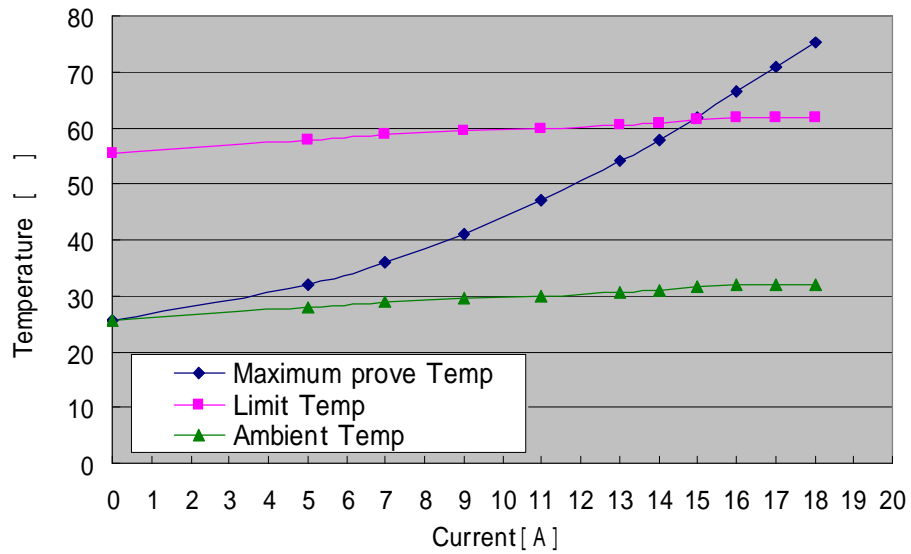
IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA

Wire connection

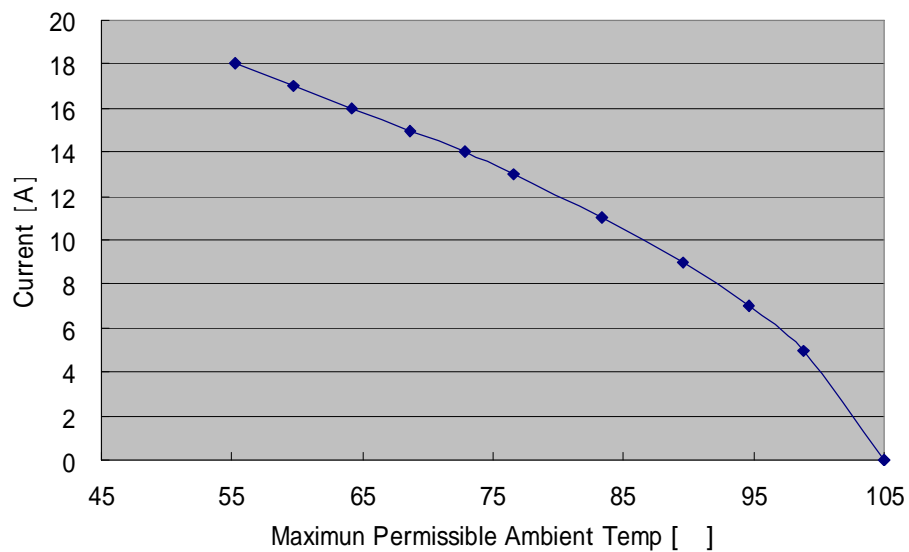
Daisy chain for ground shields

IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA

1 Ground Shield Temperature vs Current

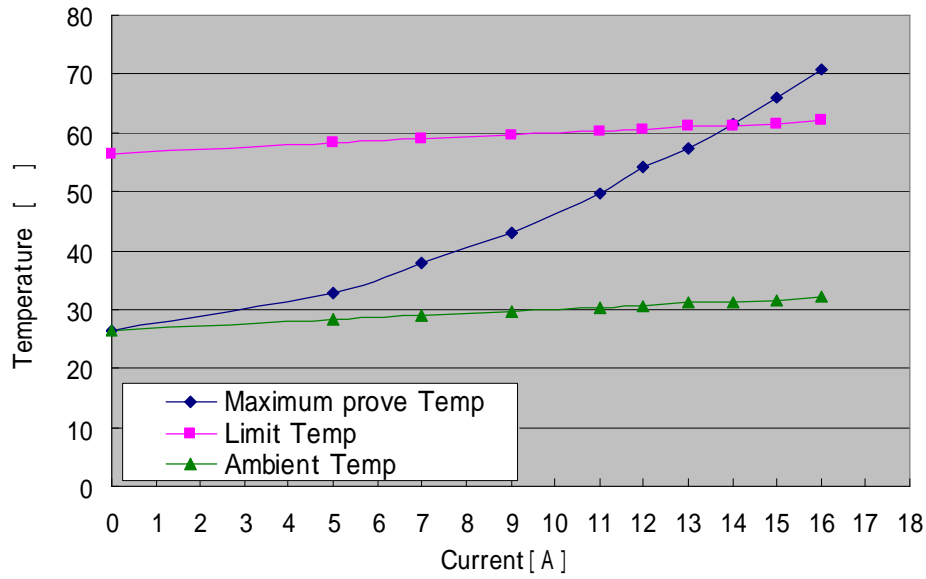


1 Ground Shield current carrying capacity

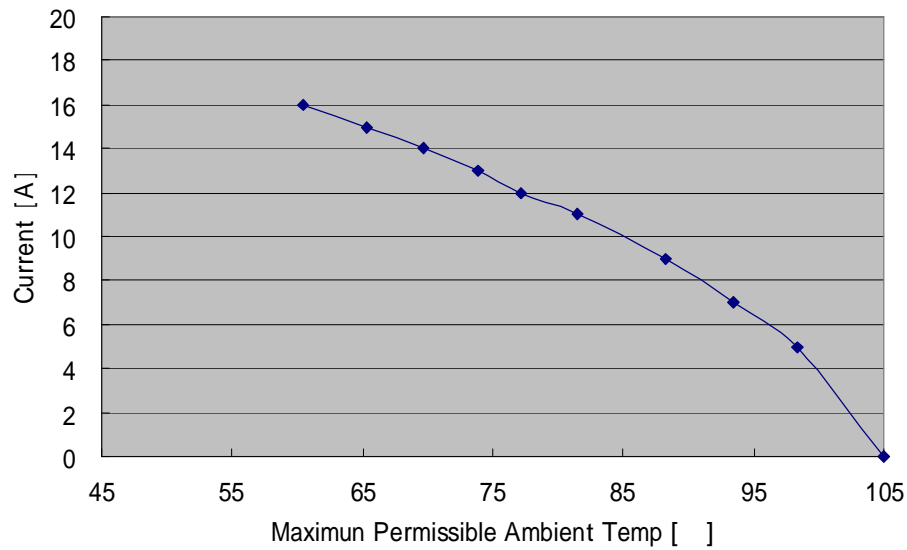


IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA

2 Ground Shields Temperatue vs Current

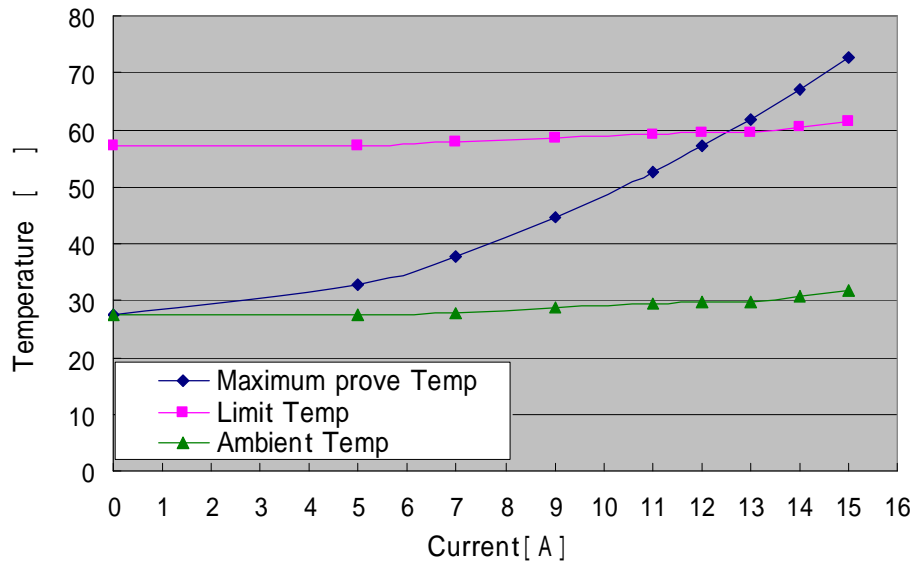


2 Ground Shields current carrying capacity

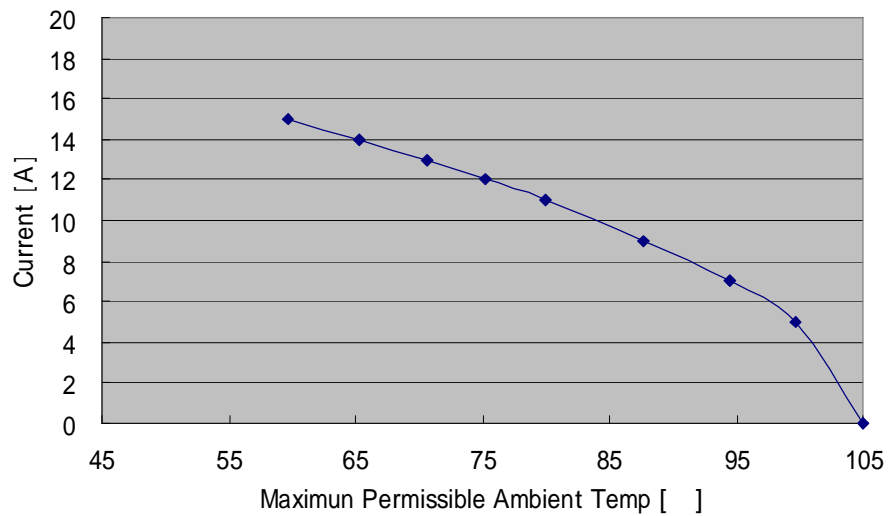


IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA

3 Ground Shields Temperatue vs Current

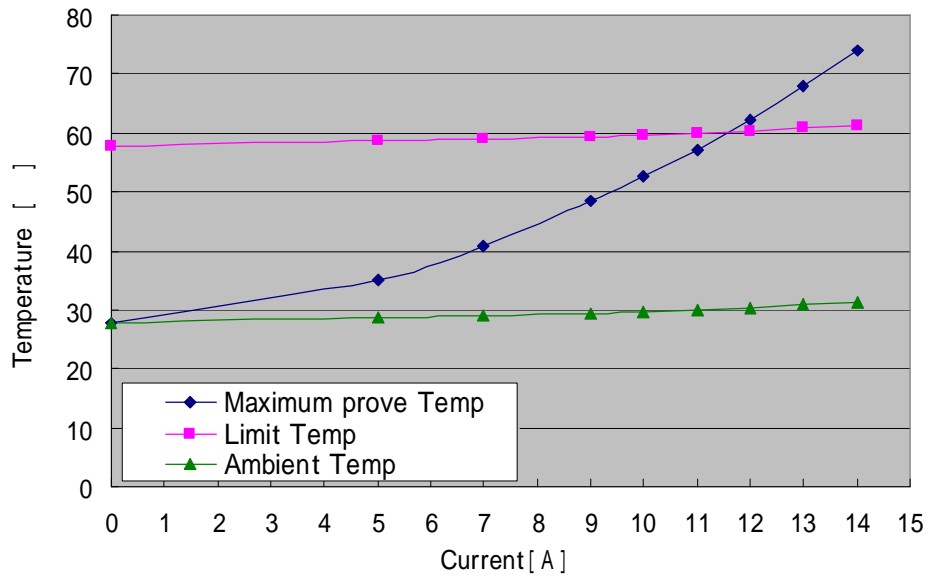


3 Ground Shields current carrying capacity

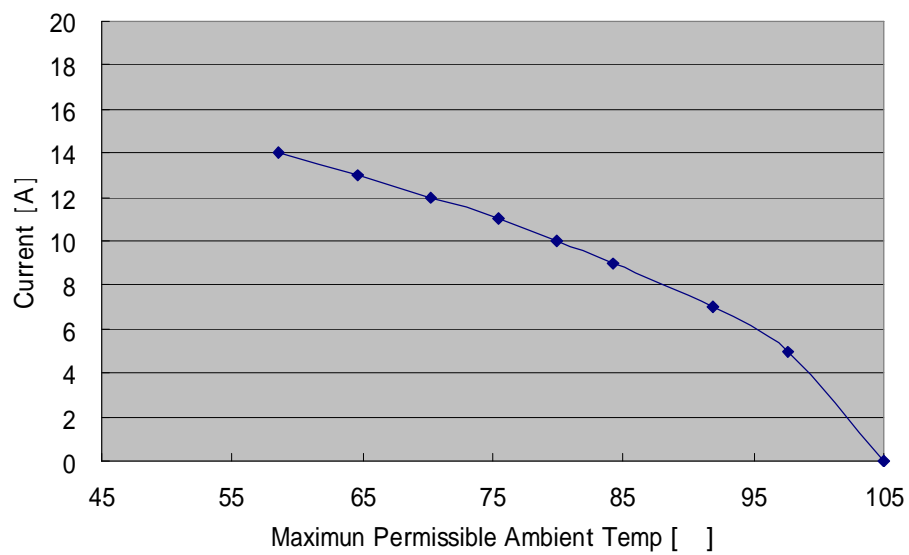


IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA

5 Ground Shields Temperatue vs Current

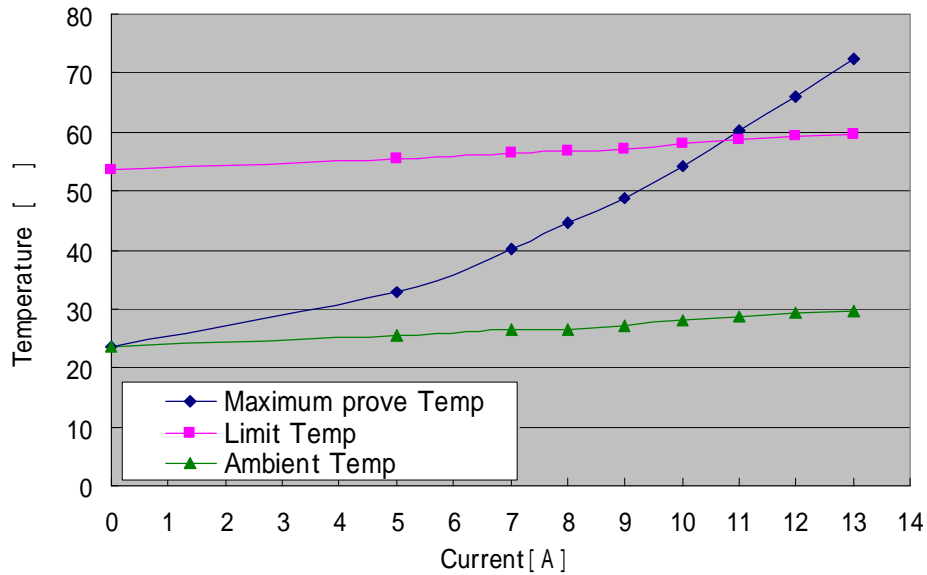


5 Ground Shields current carrying capacity

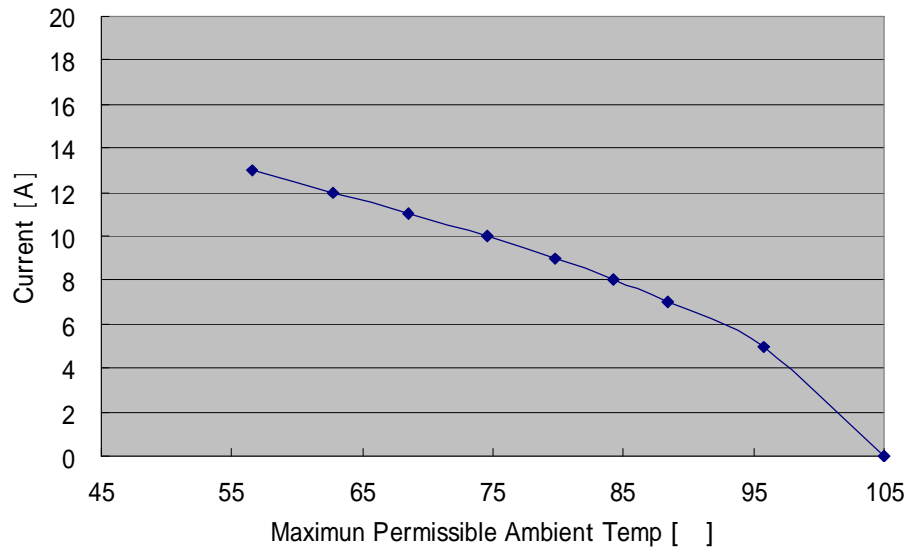


IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA

7 Ground Shields Temperature vs Current

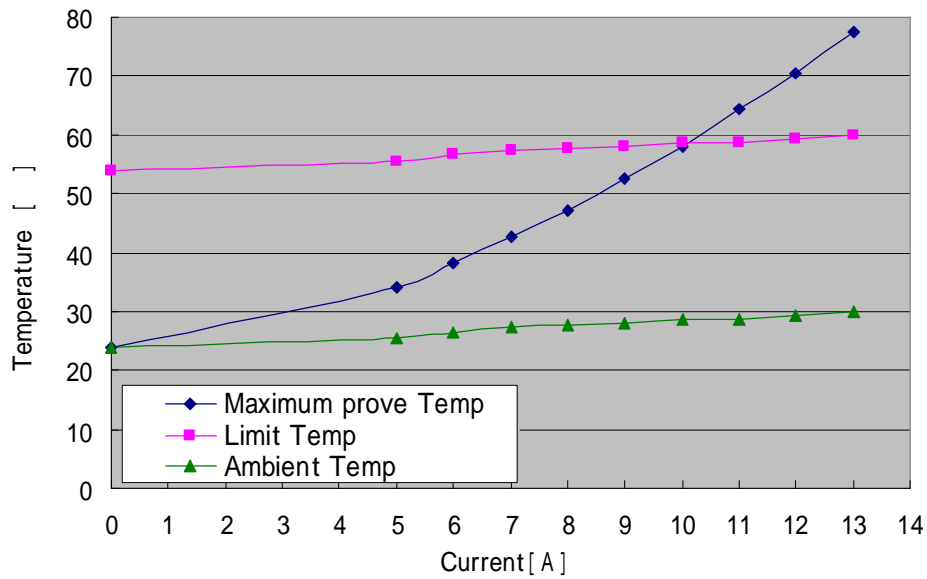


7 Ground Shields current carrying capacity

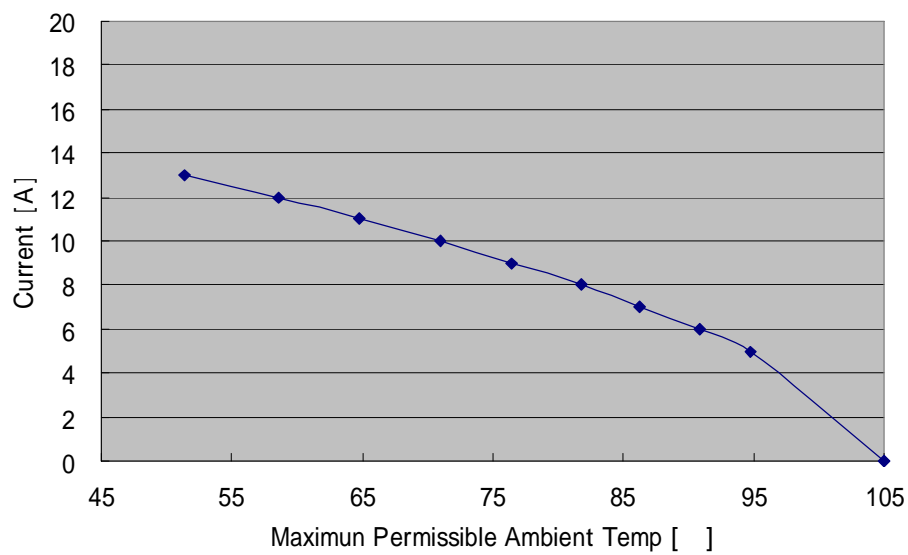


IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA

10 Ground Shields Temperature vs Current



10 Ground Shields current carrying capacity



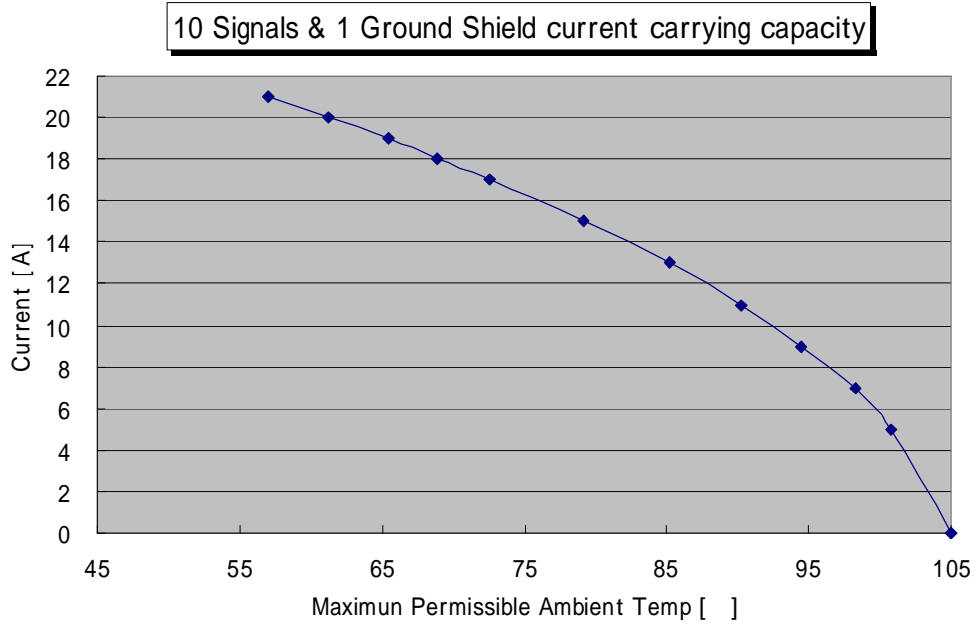
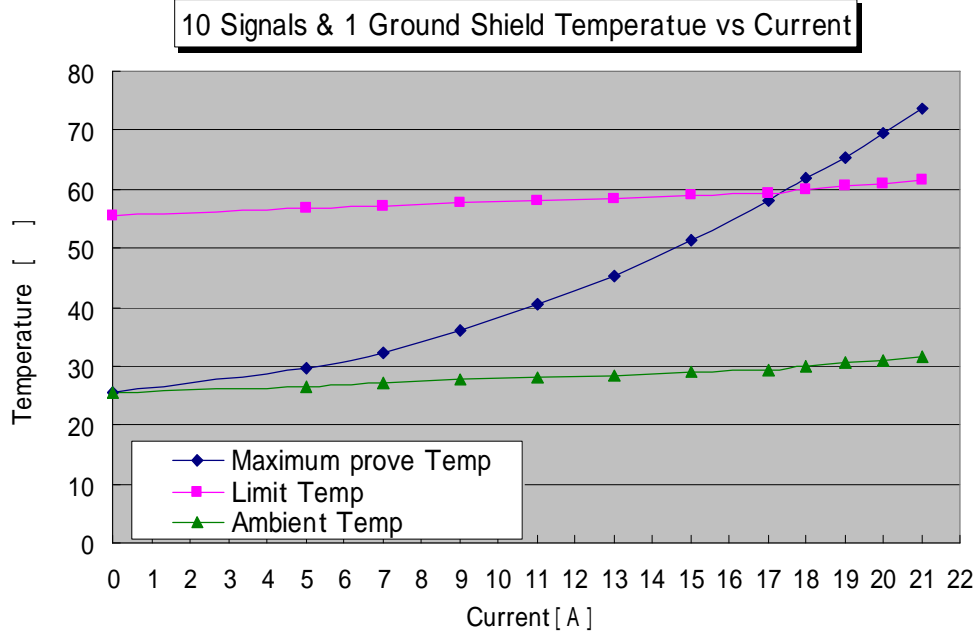
Product name

IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA

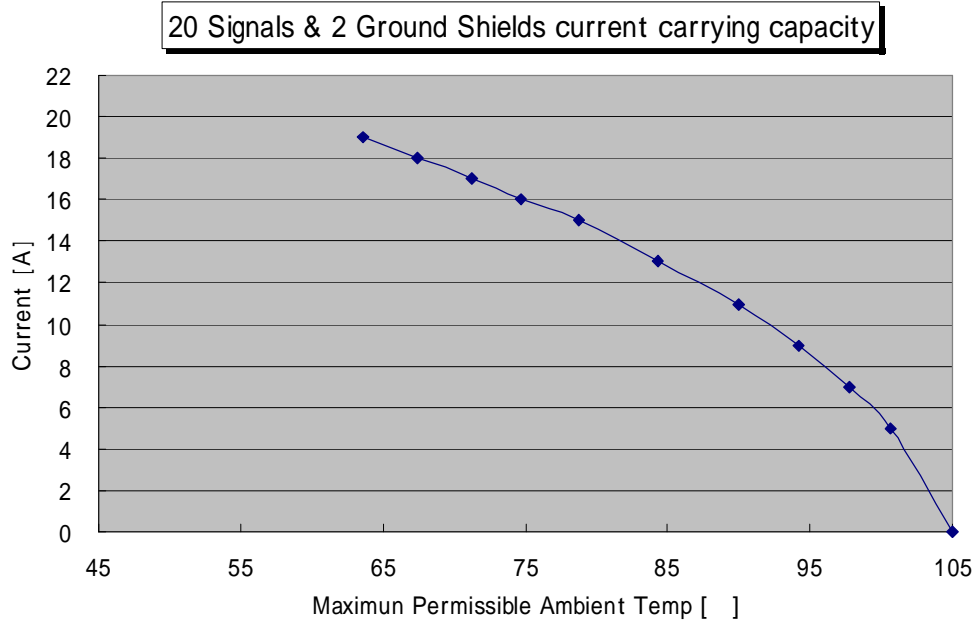
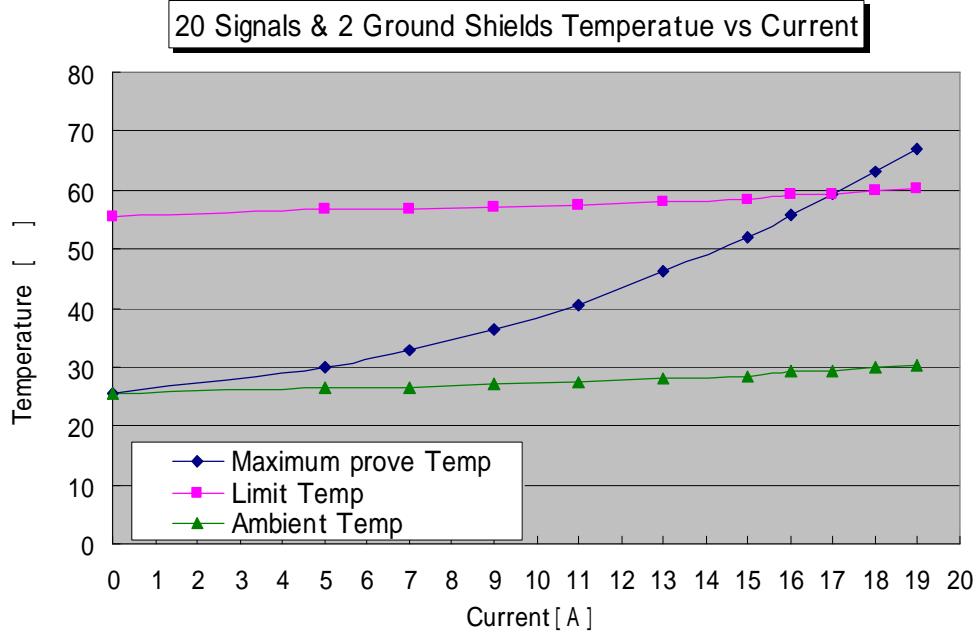
Wire connection

Daisy chain for wafer (signal pins + ground shields)

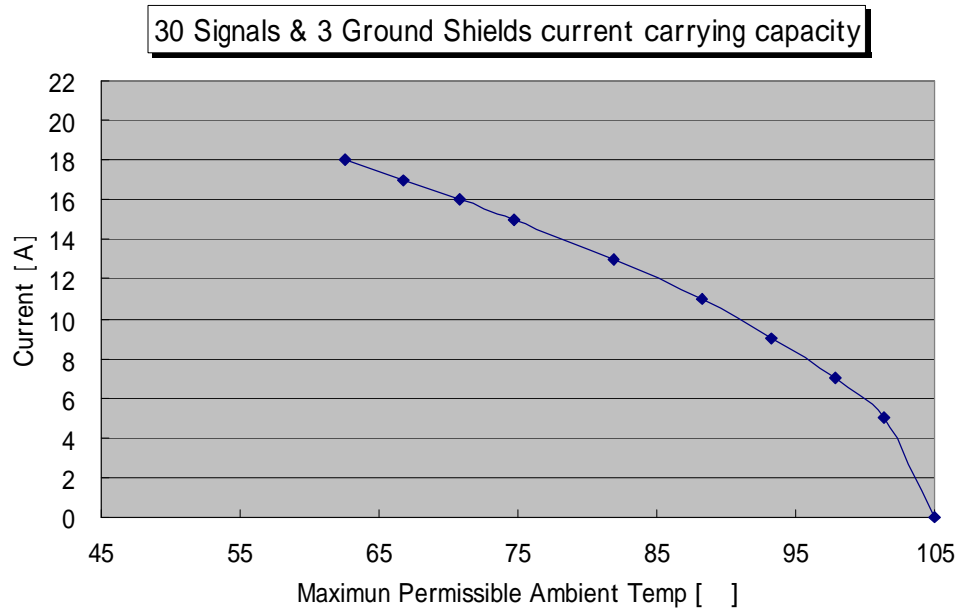
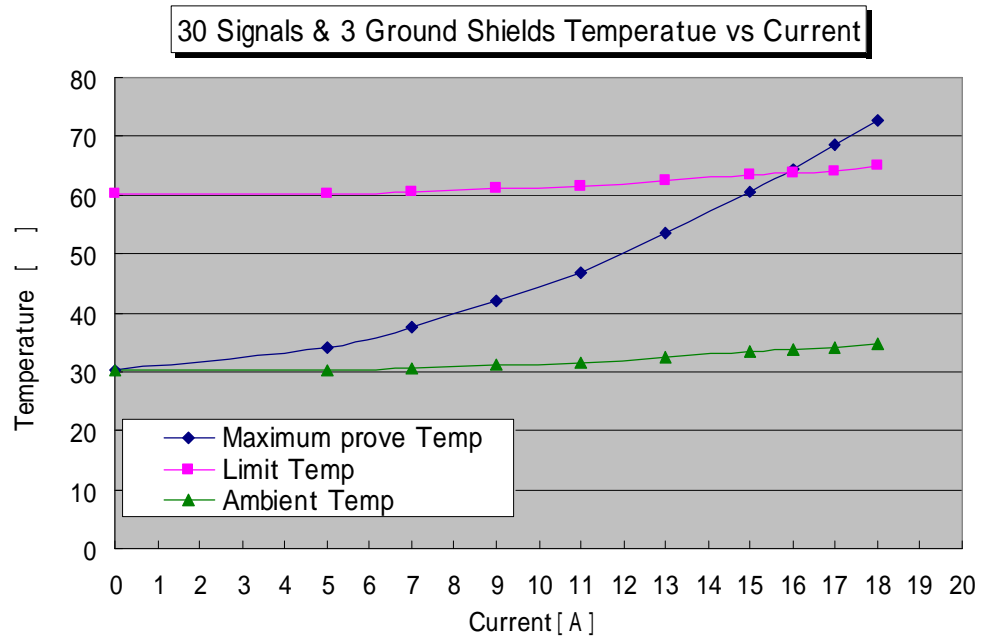
IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



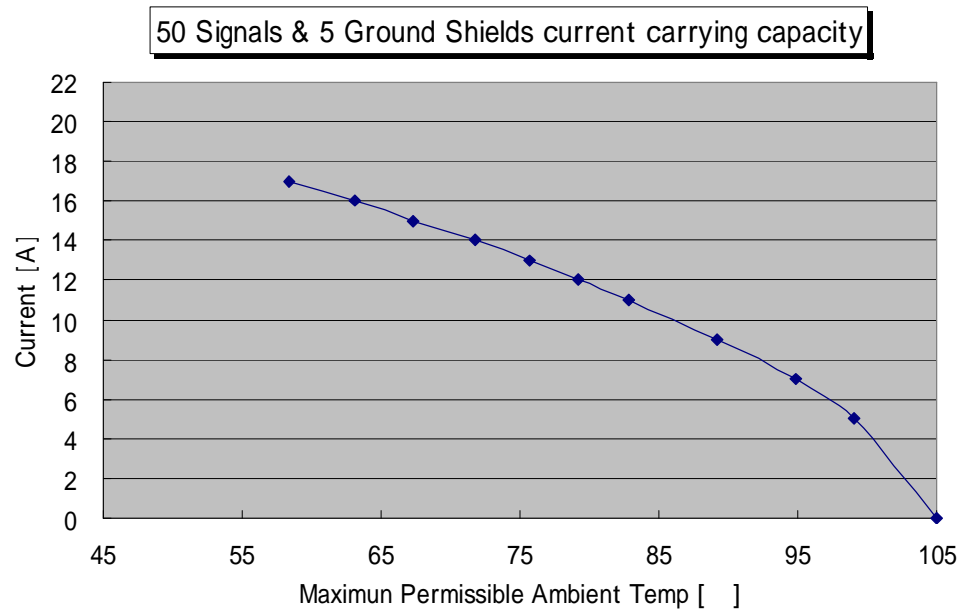
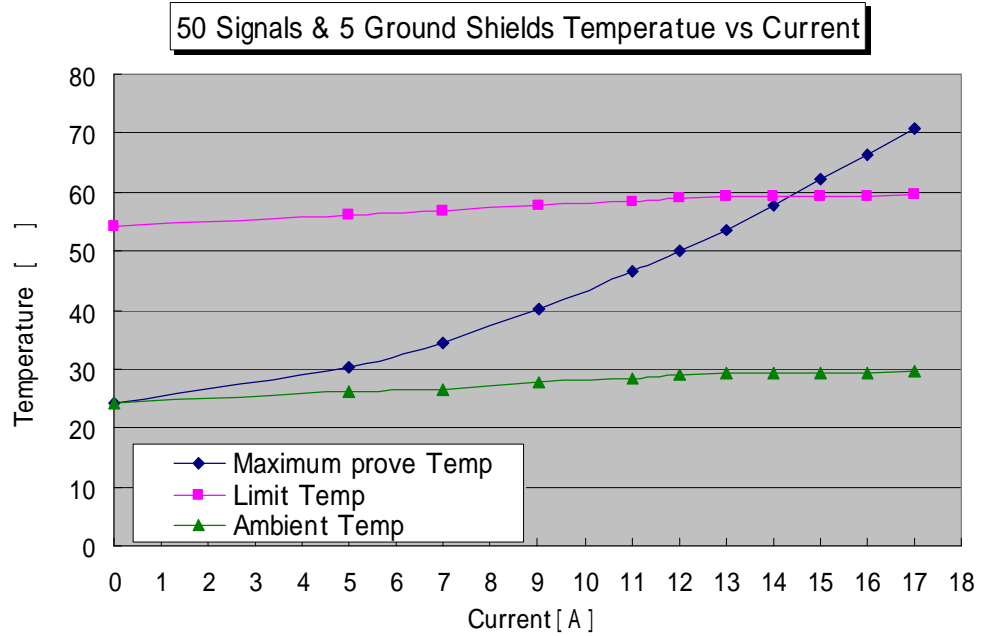
IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



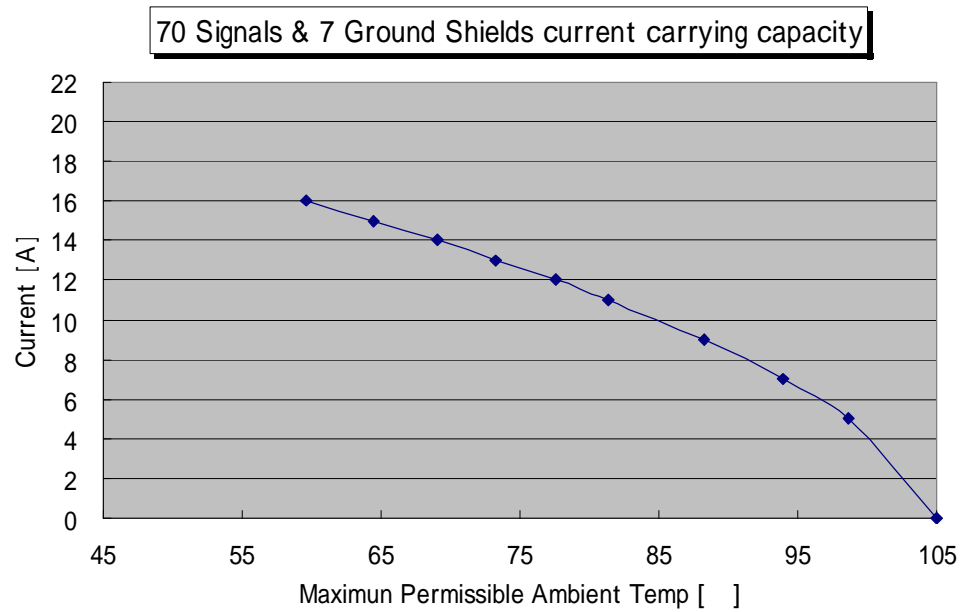
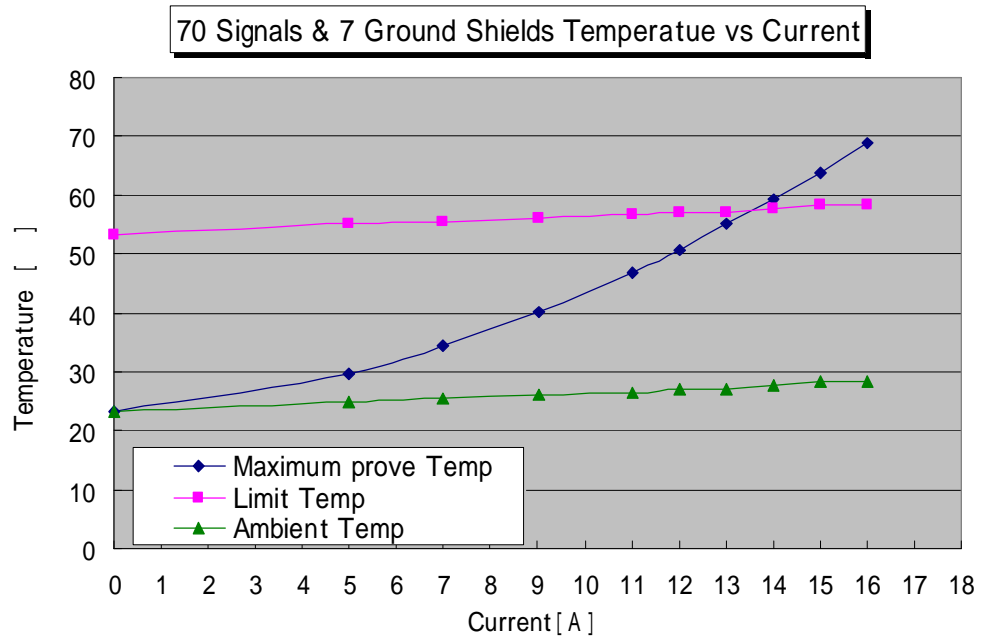
IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



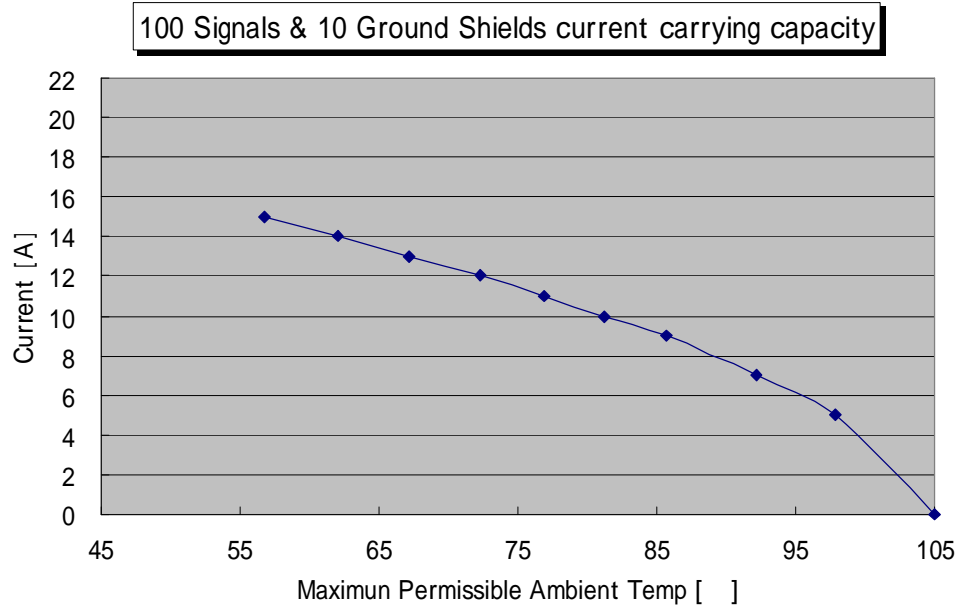
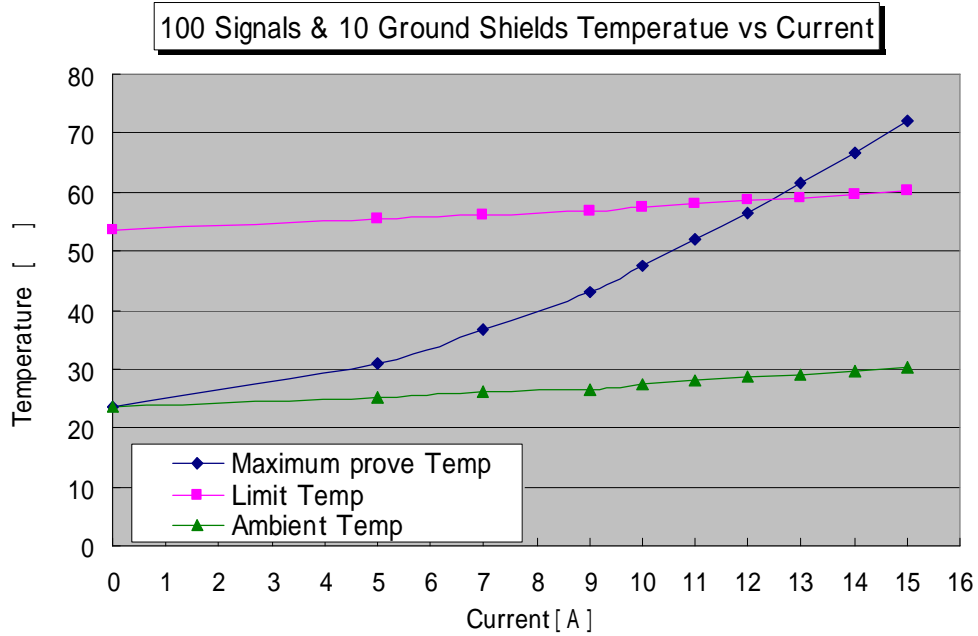
IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-25H / IT3D-300S-BGA



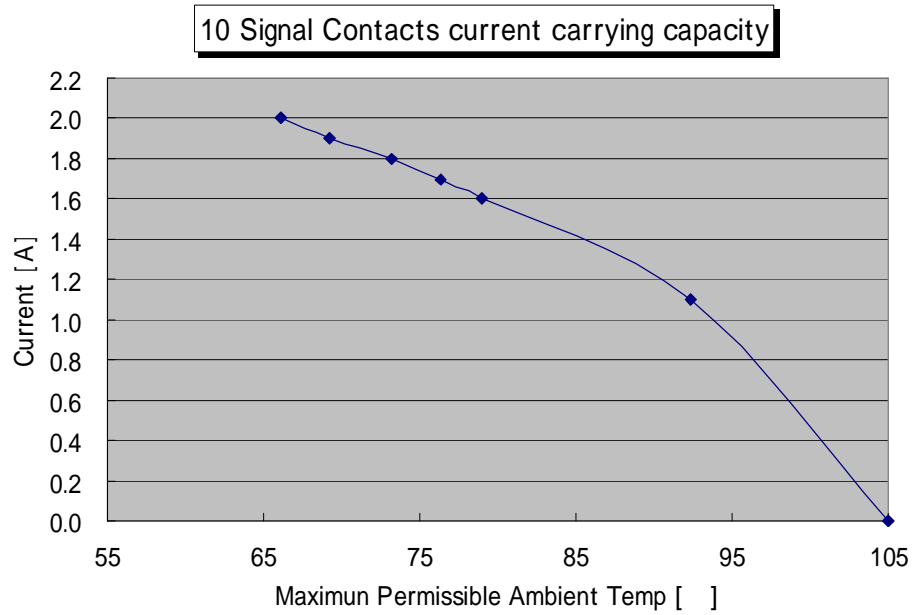
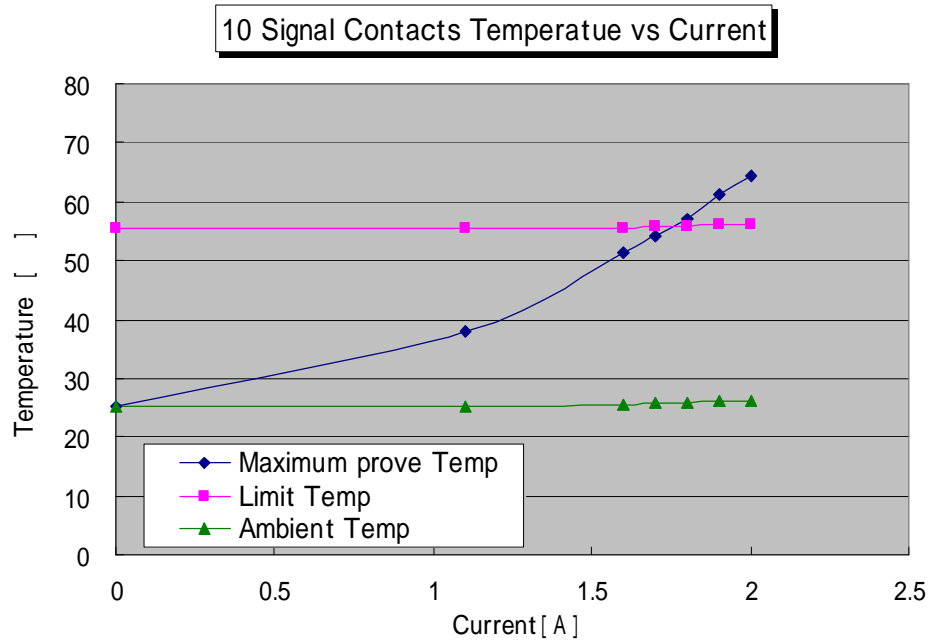
Product name

IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

Wire connection

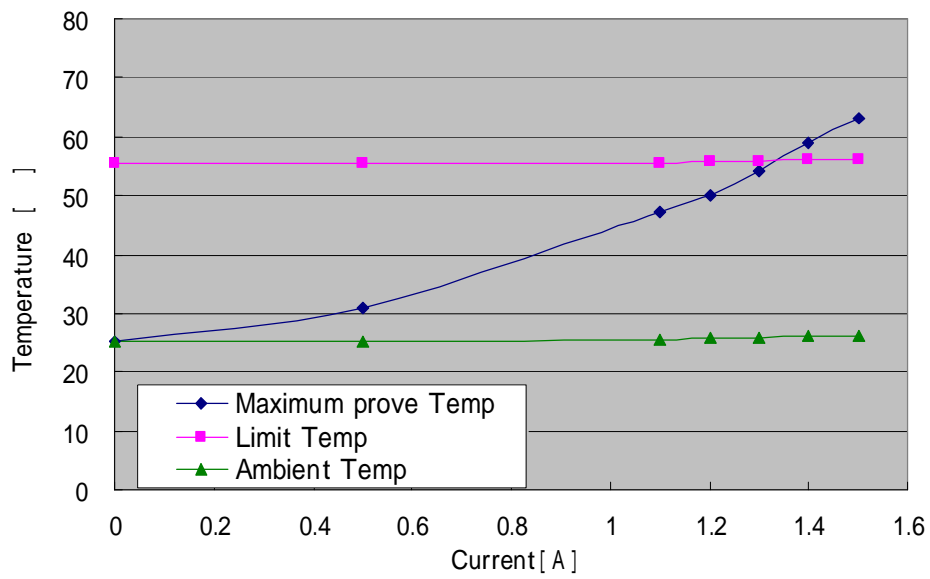
Daisy chain for signal pins

IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

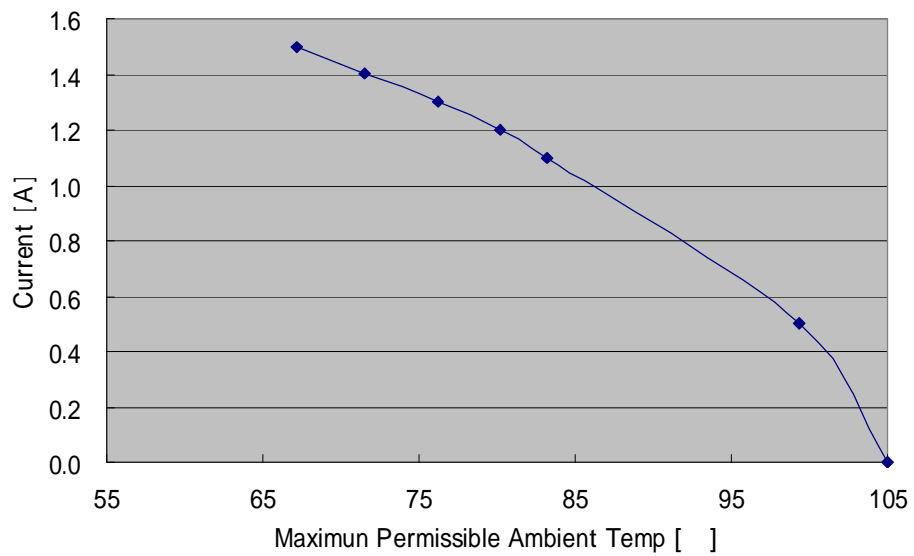


IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

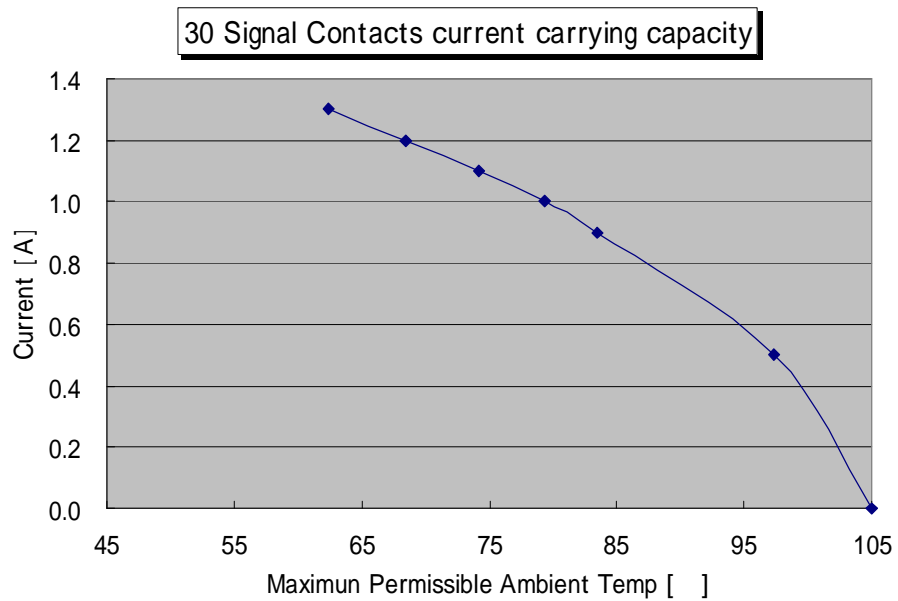
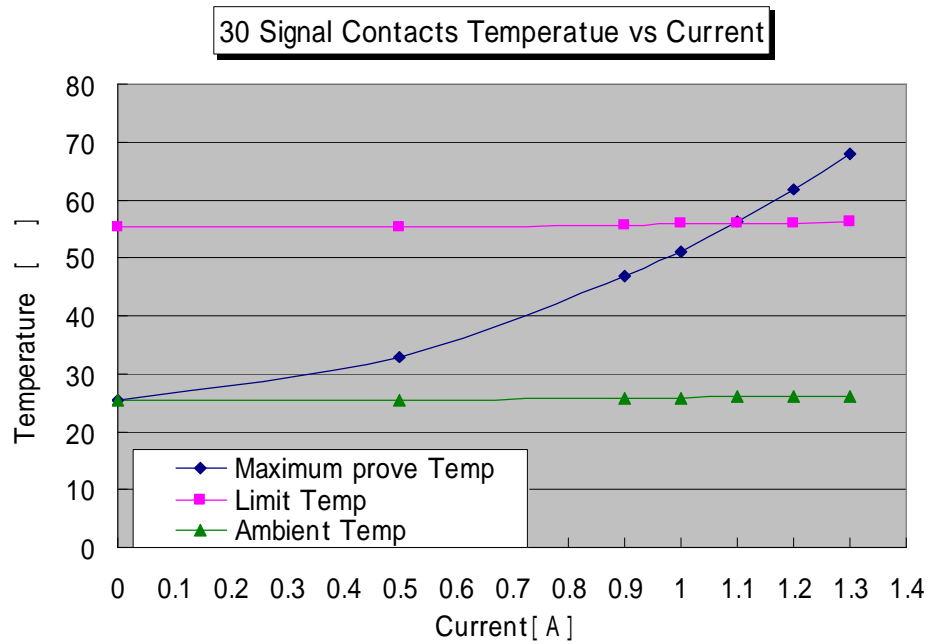
20 Signal Contacts Temperatue vs Current



20 Signal Contacts current carrying capacity

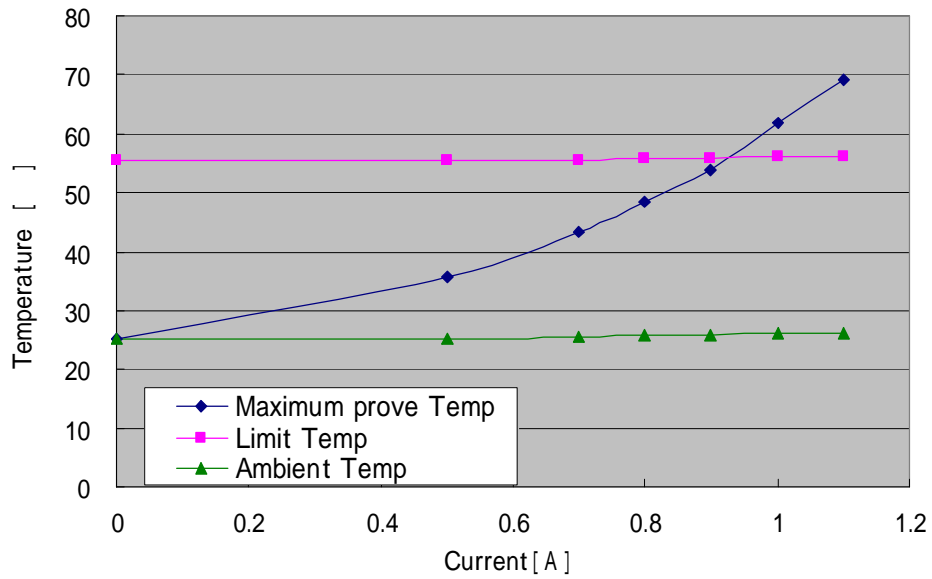


IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

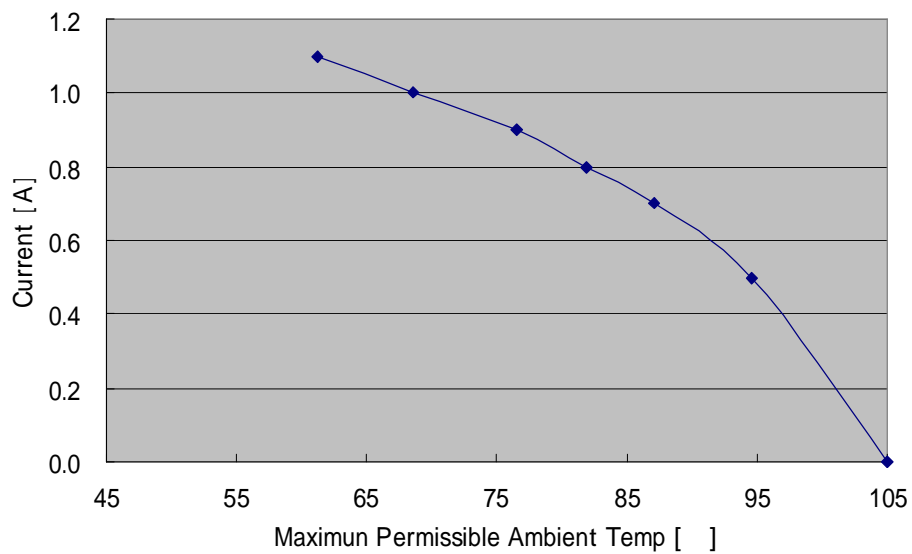


IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

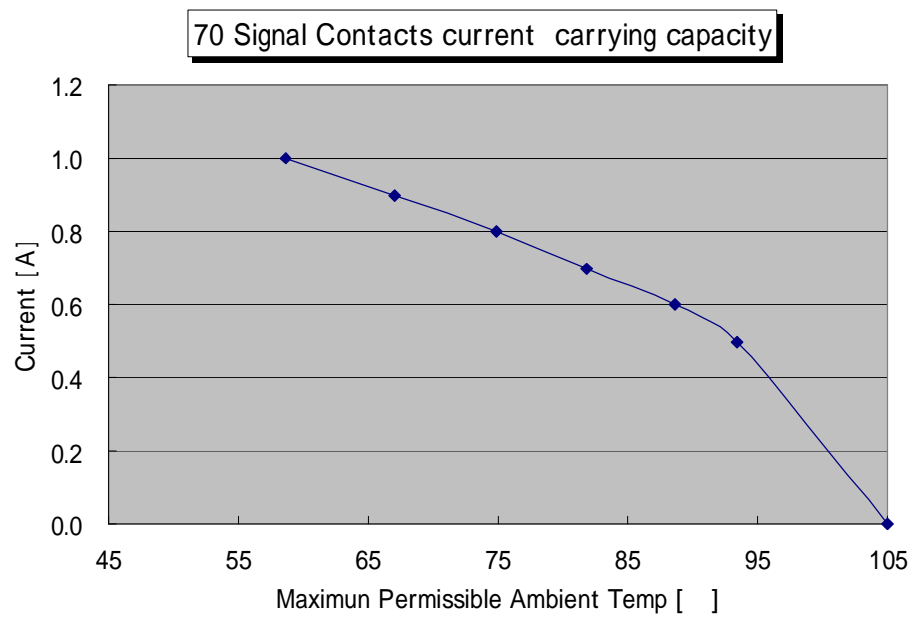
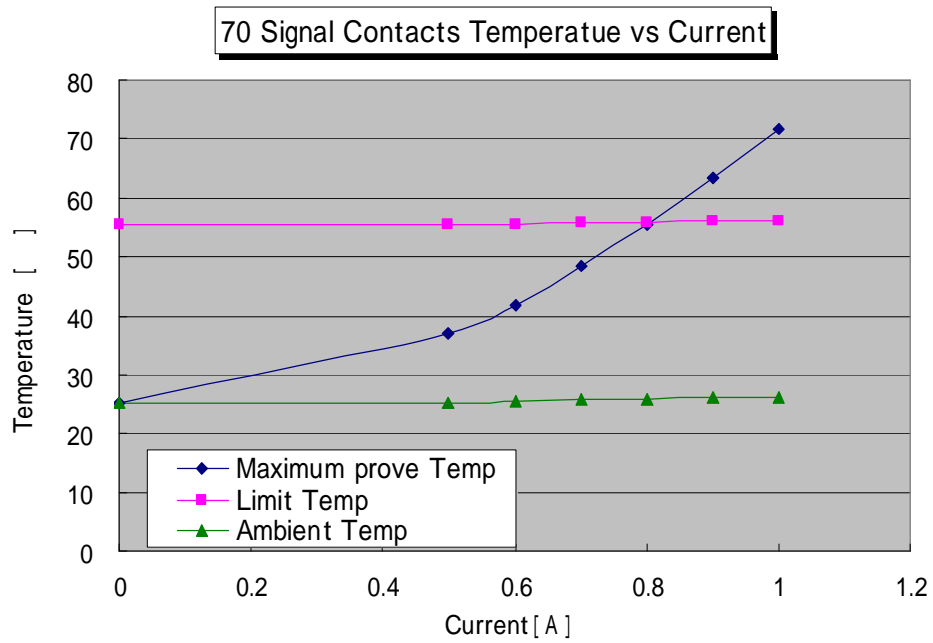
50 Signal Contacts Temperature vs Current



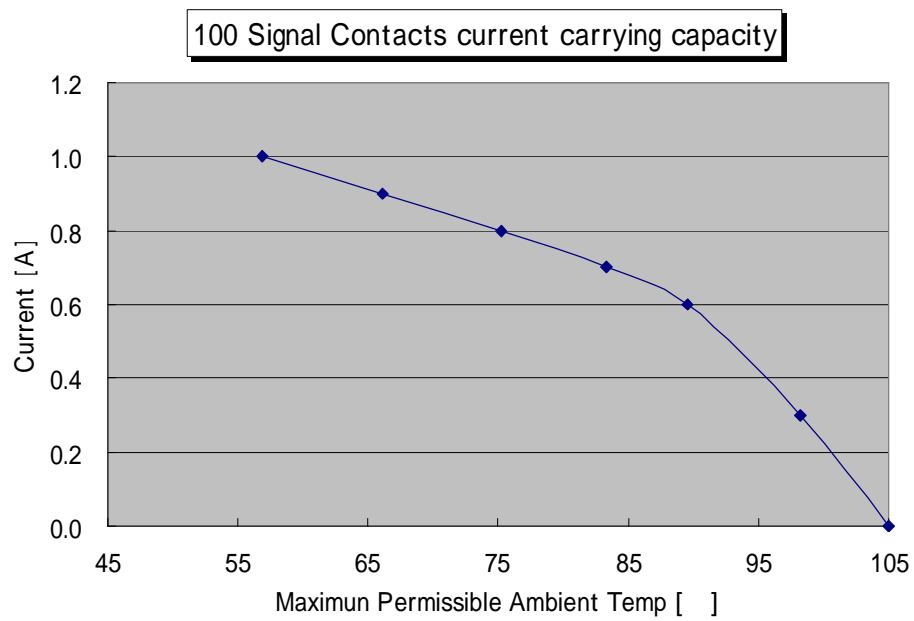
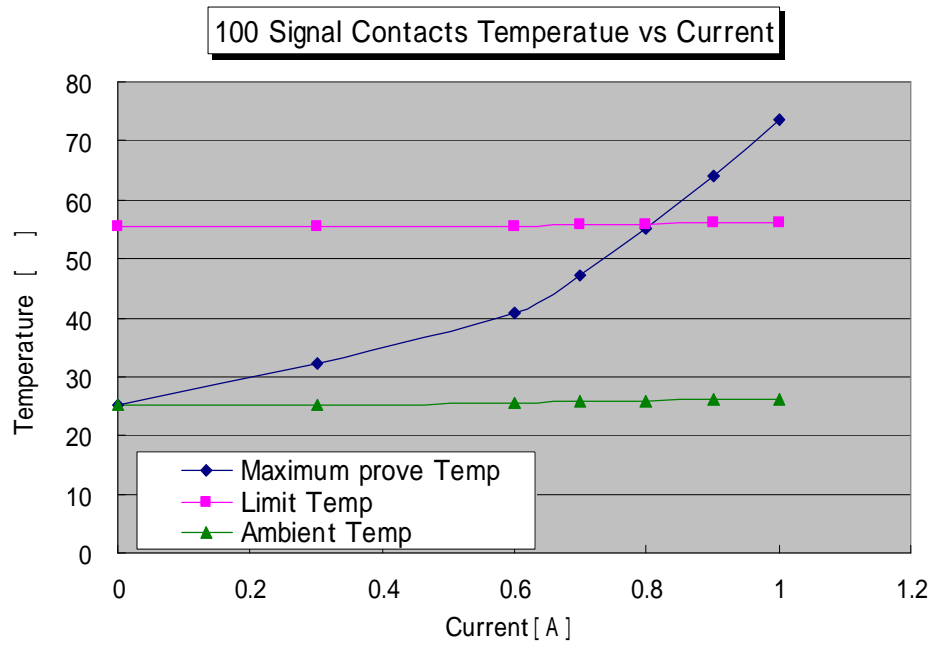
50 Signal Contacts current carrying capacity



IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA



Product name

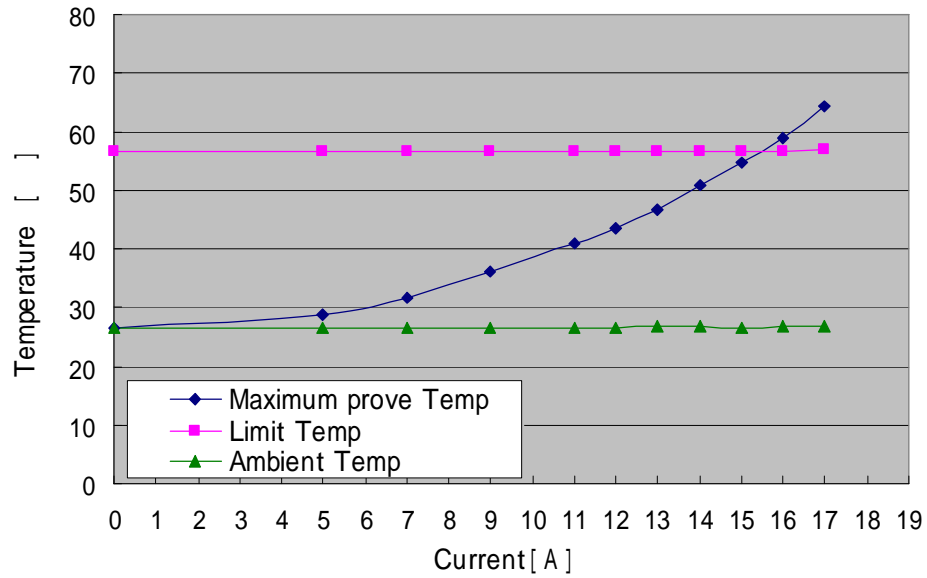
IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

Wire connection

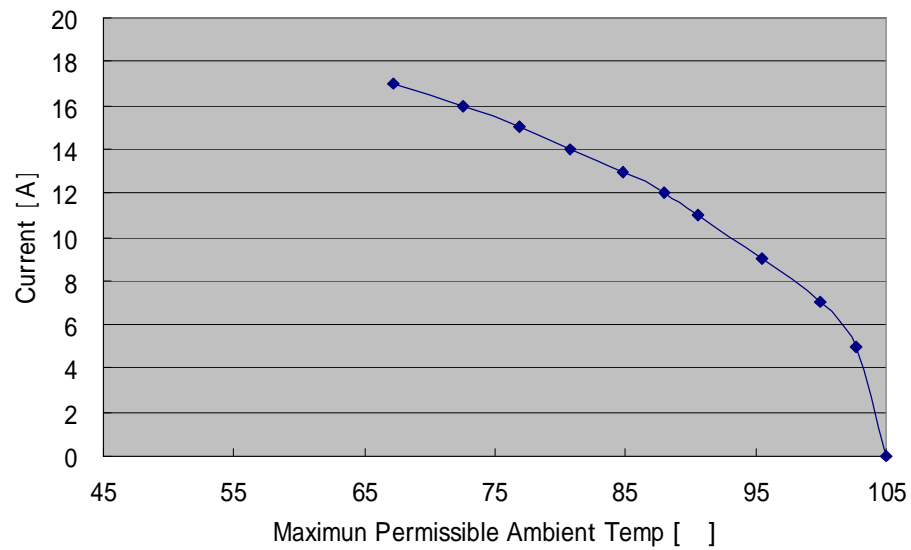
Daisy chain for ground shields

IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

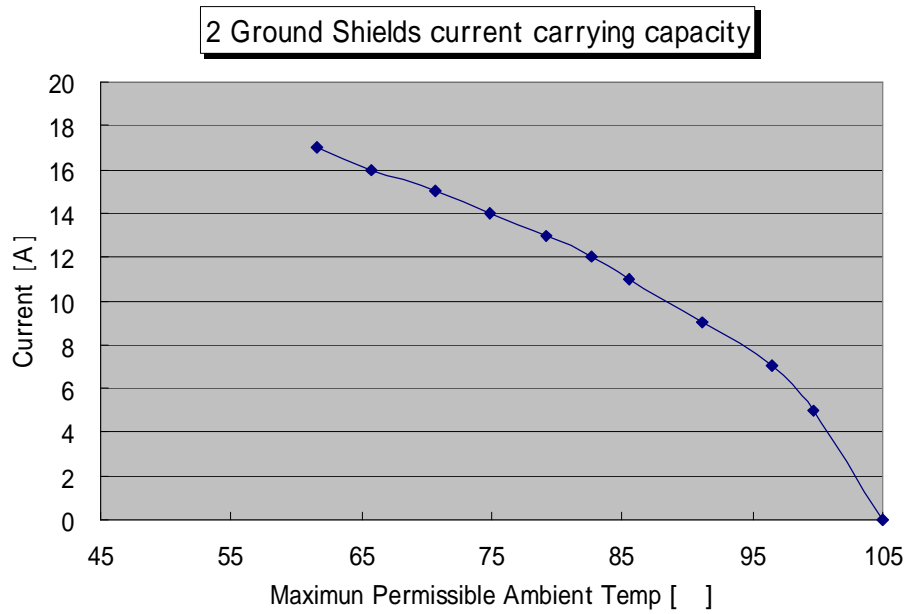
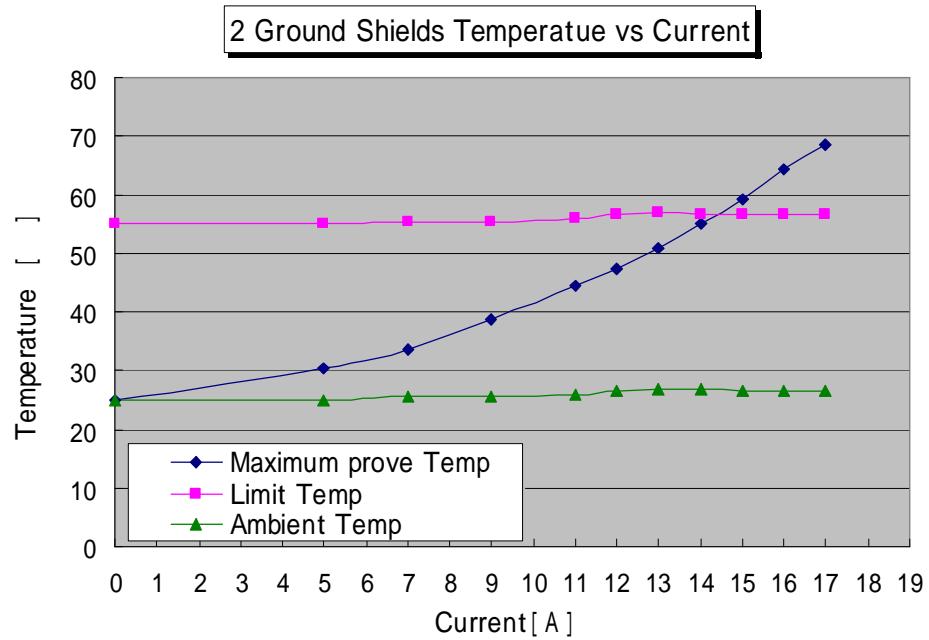
1 Ground Shield Temperatue vs Current



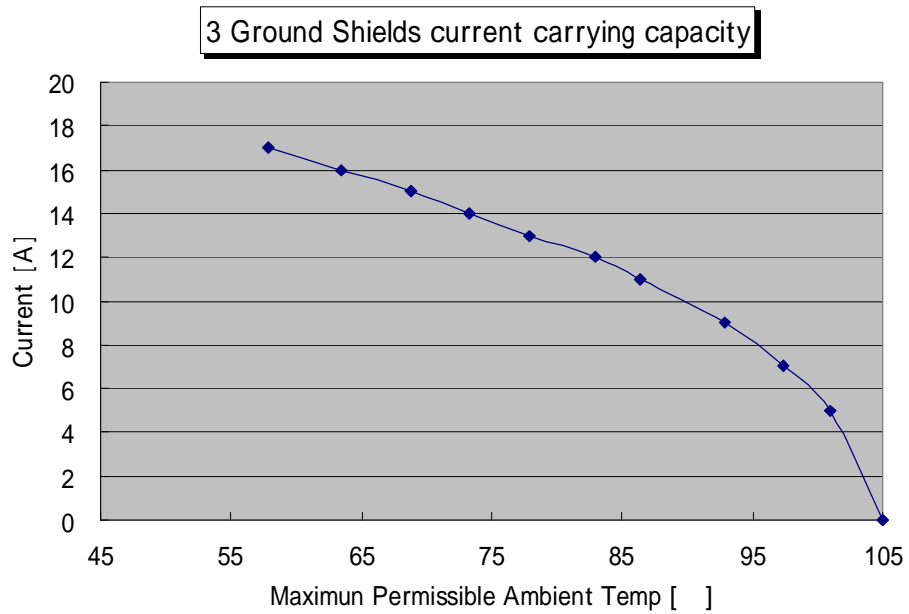
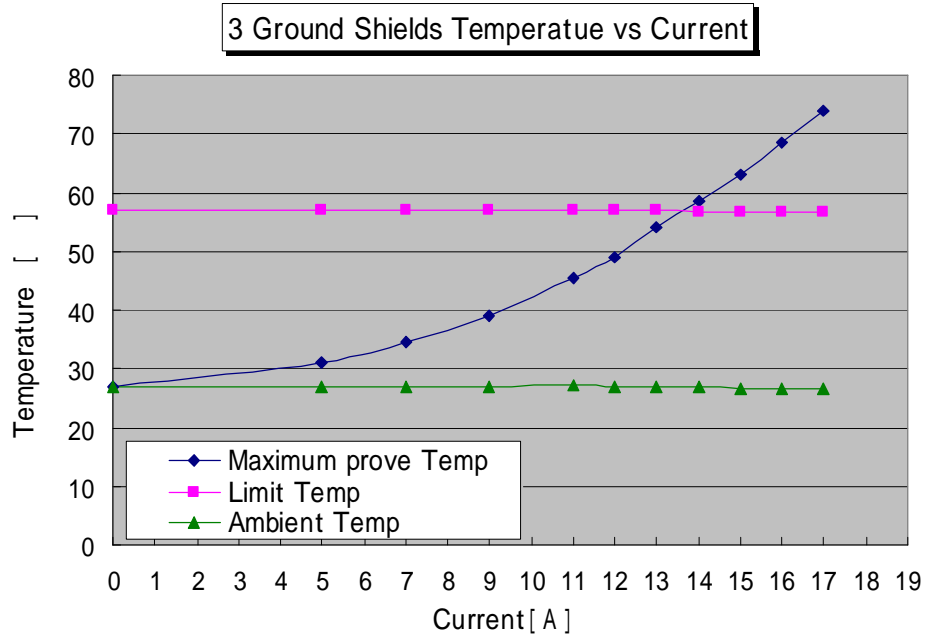
1 Ground Shield current carrying capacity



IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

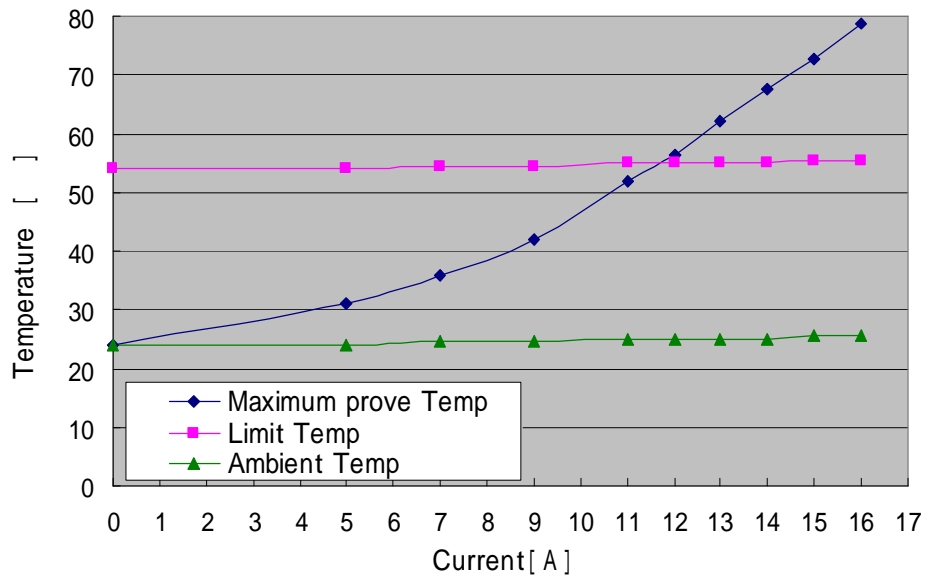


IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

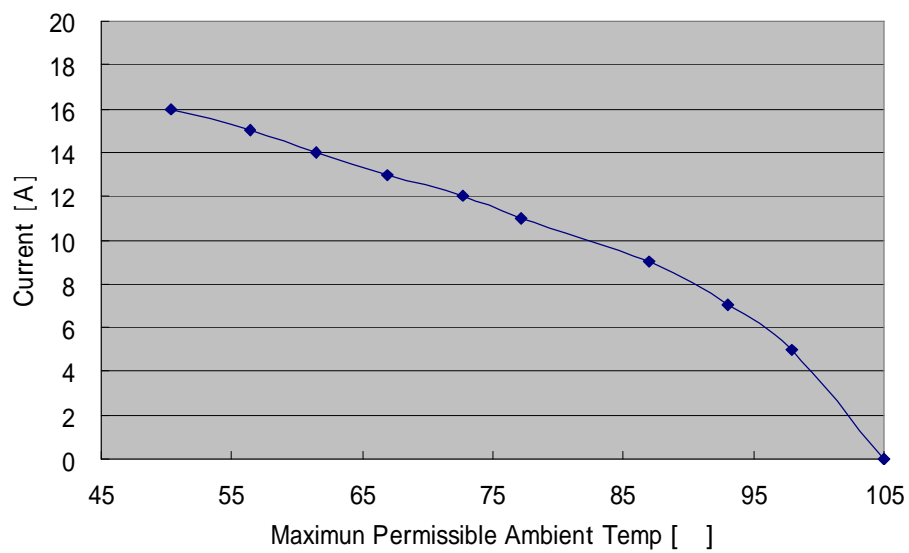


IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

5 Ground Shields Temperature vs Current

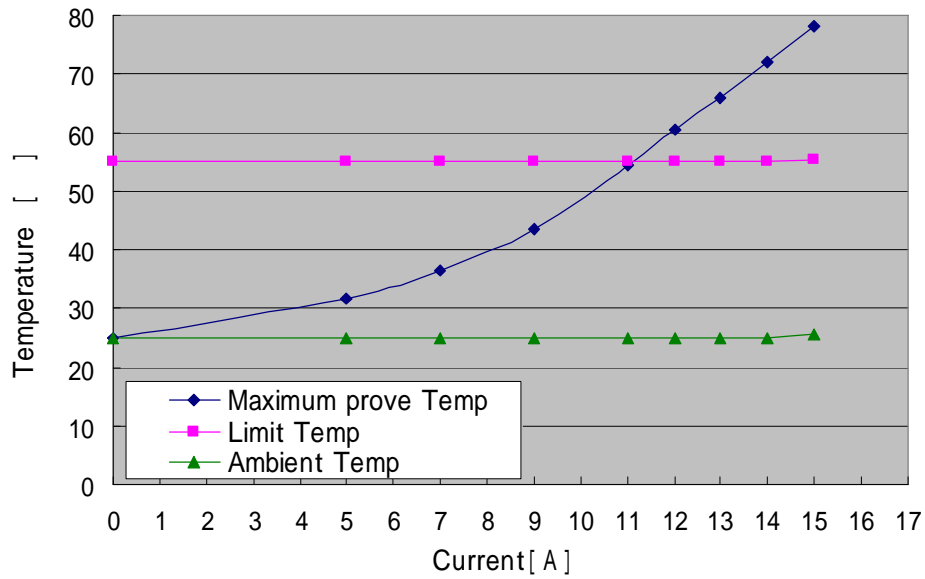


5 Ground Shields current carrying capacity

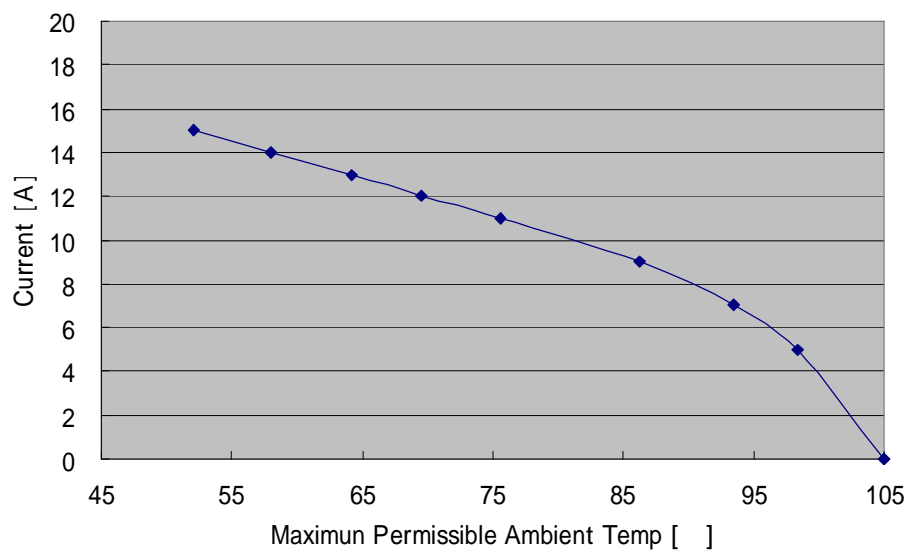


IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

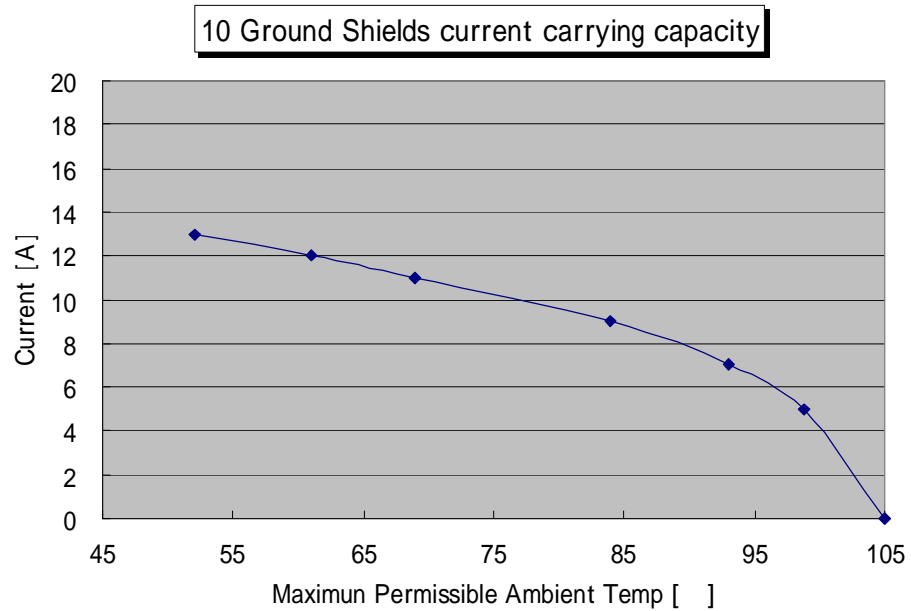
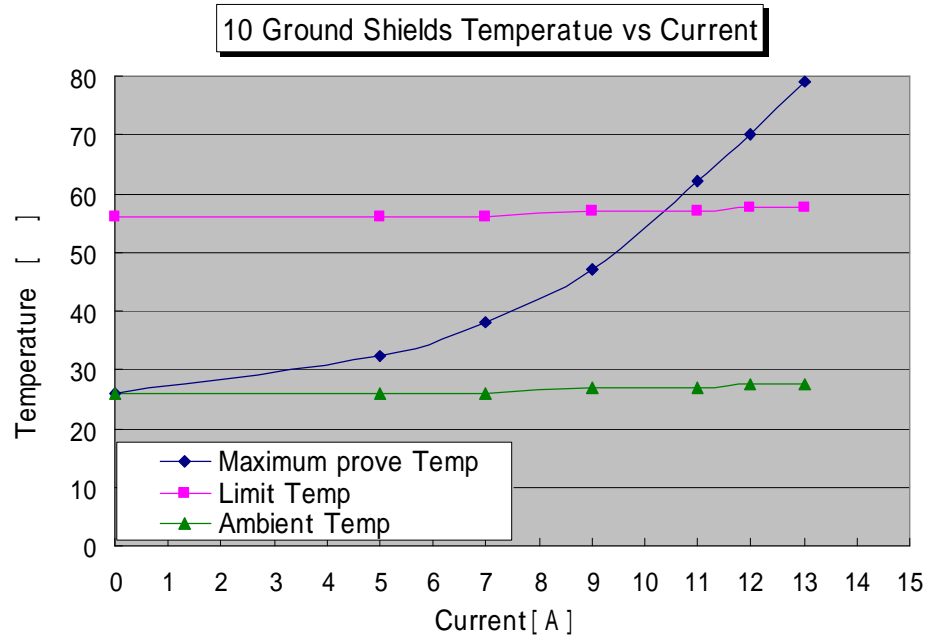
7 Ground Shields Temperatue vs Current



7 Ground Shields current carrying capacity



IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA



Product name

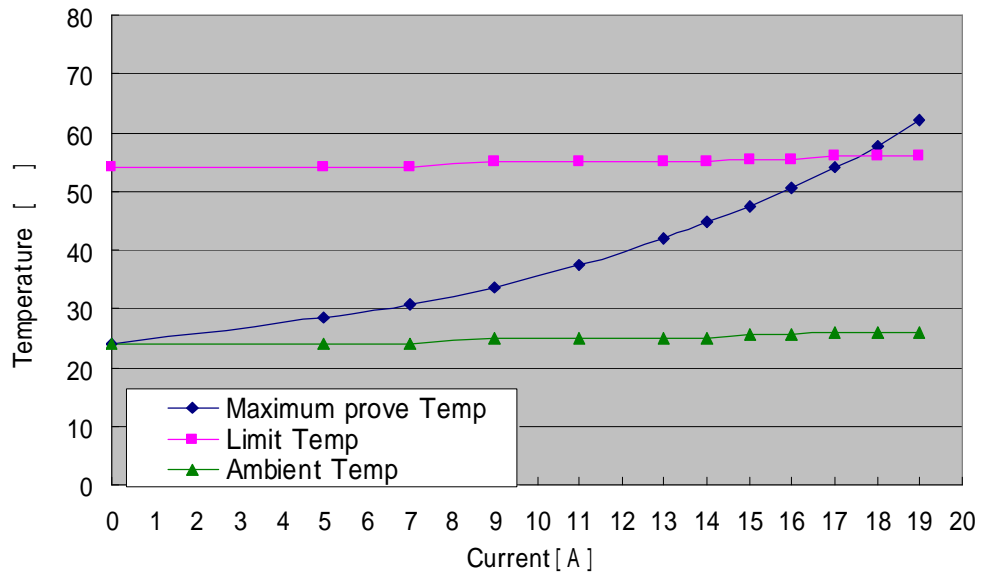
IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

Wire connection

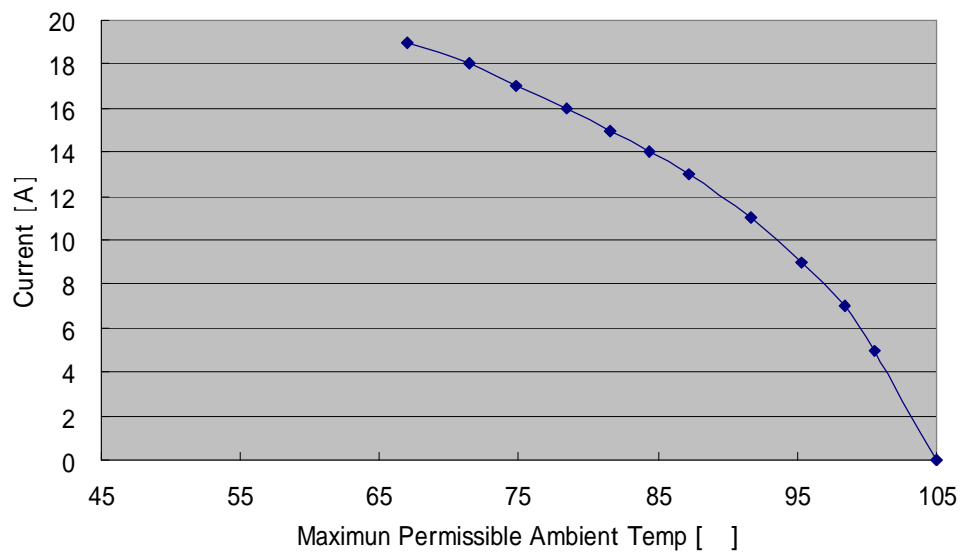
Daisy chain for wafer (signal pins + ground shields)

IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

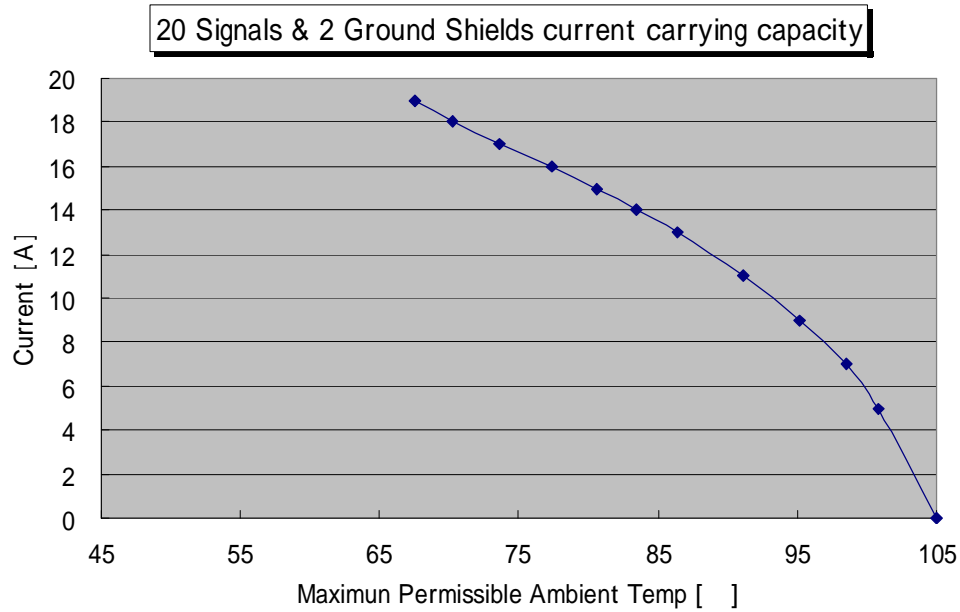
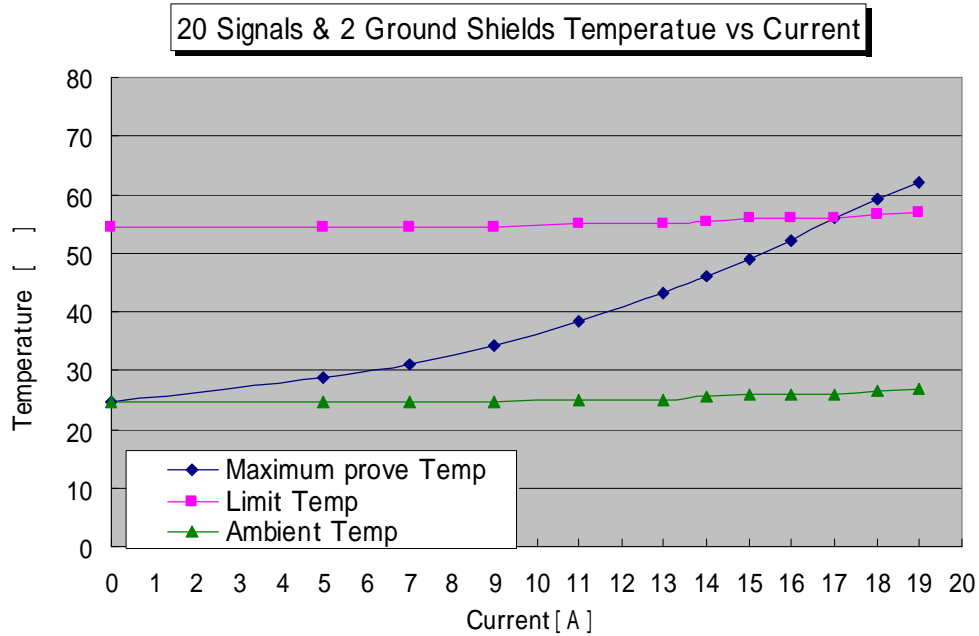
10 Signals & 1 Ground Shield Temperature vs Current



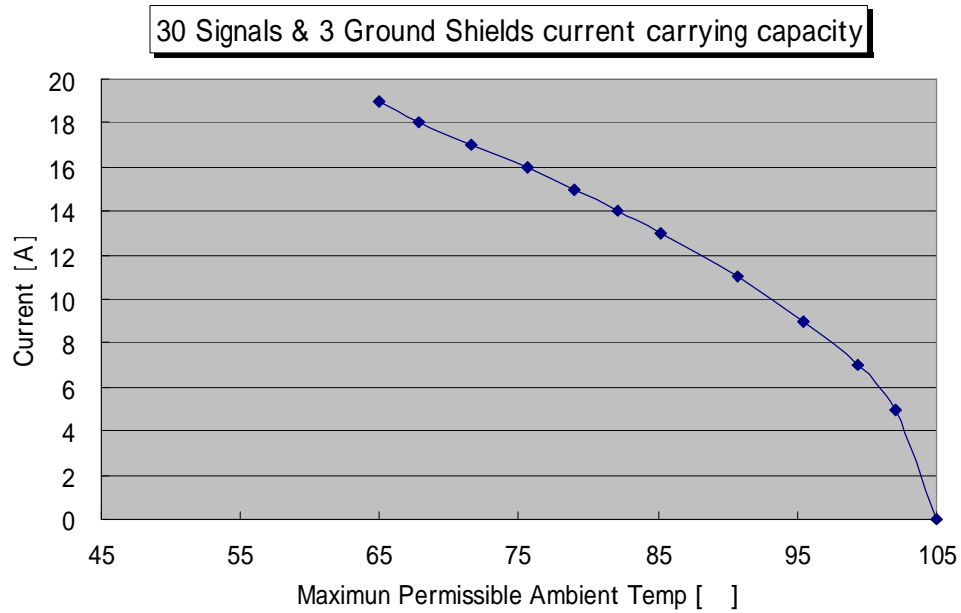
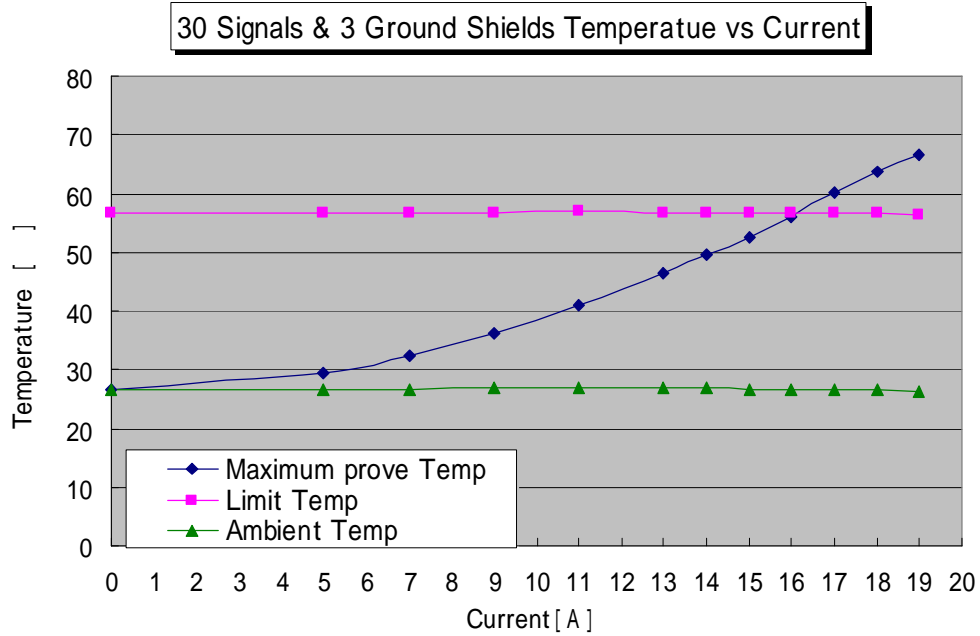
10 Signals & 1 Ground Shield current carrying capacity



IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

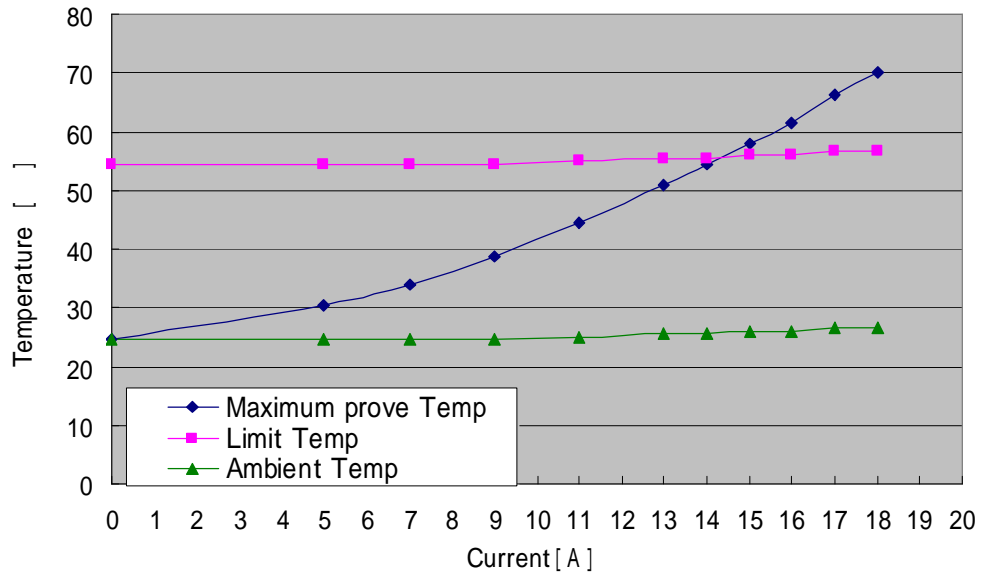


IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

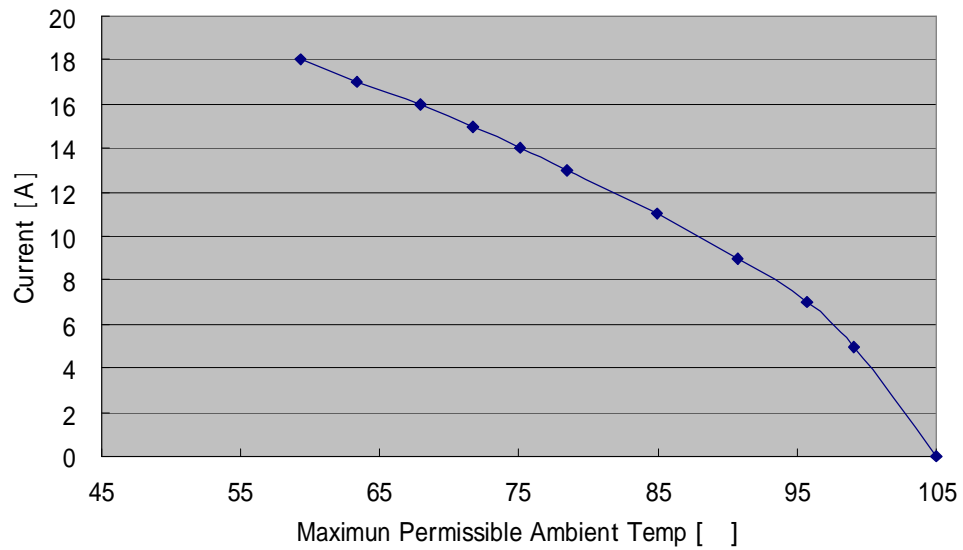


IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA

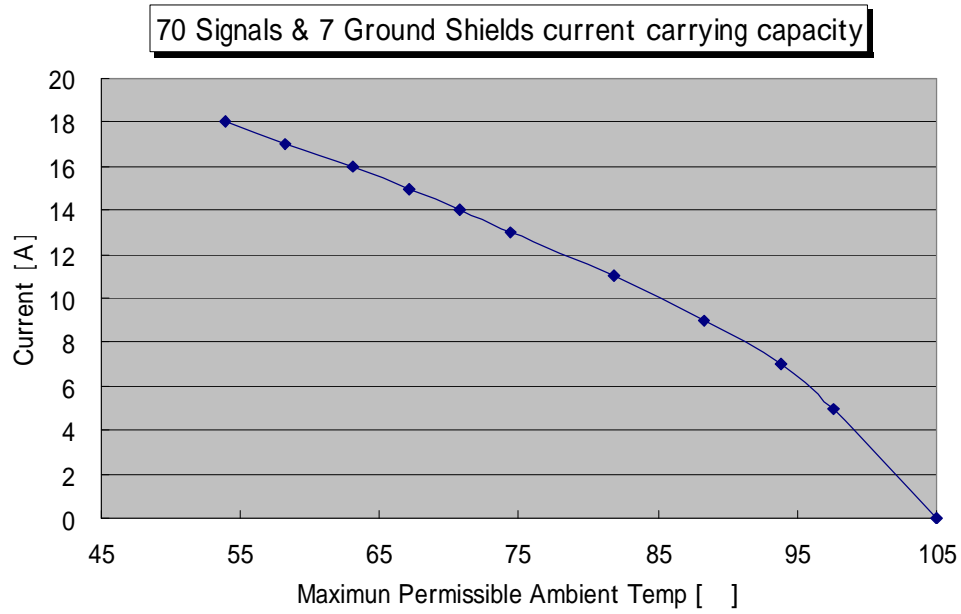
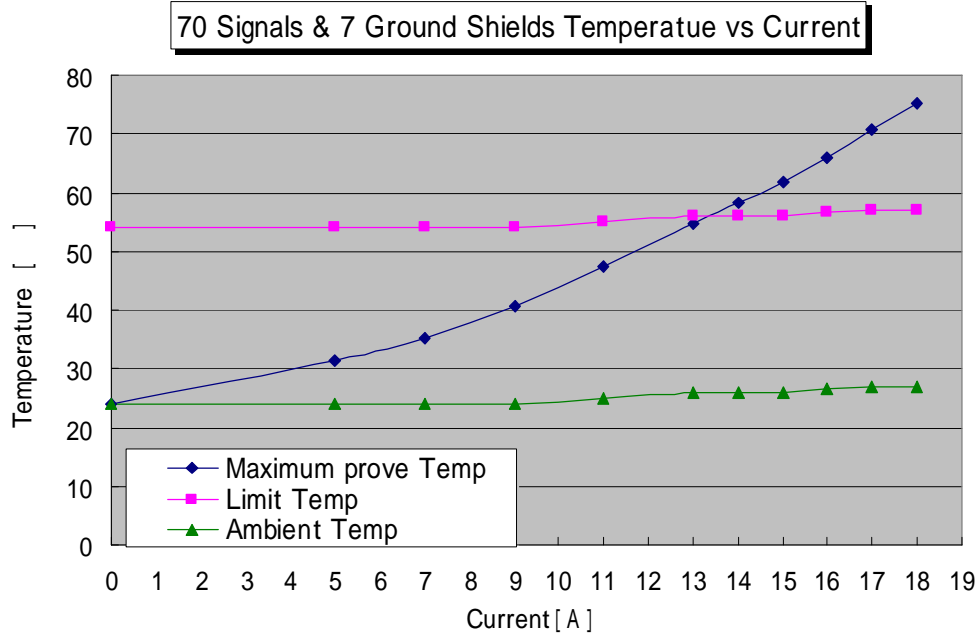
50 Signals & 5 Ground Shields Temperature vs Current



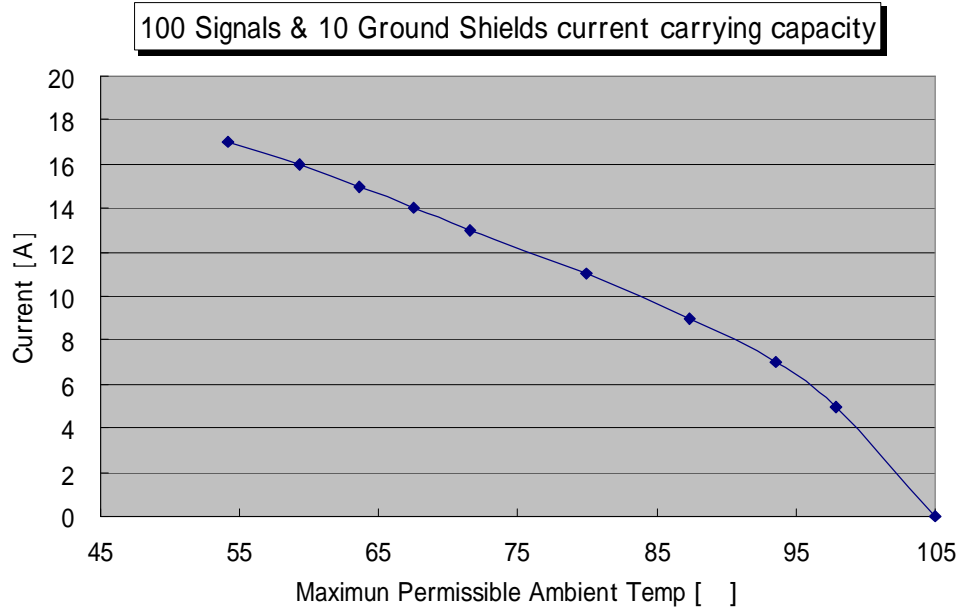
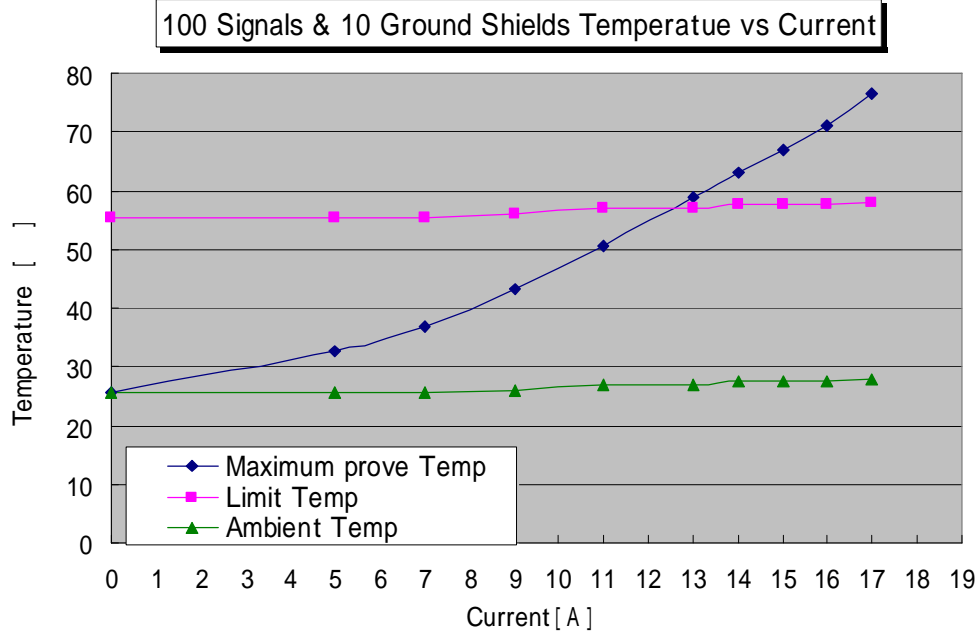
50 Signals 5 Ground Shields current carrying capacity



IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-26H / IT3D-300S-BGA



Product name

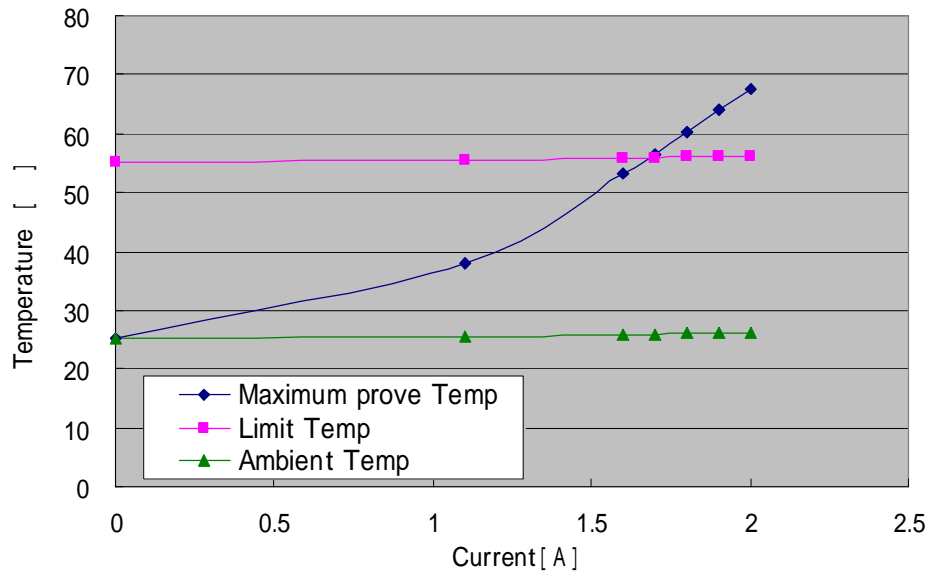
IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

Wire connection

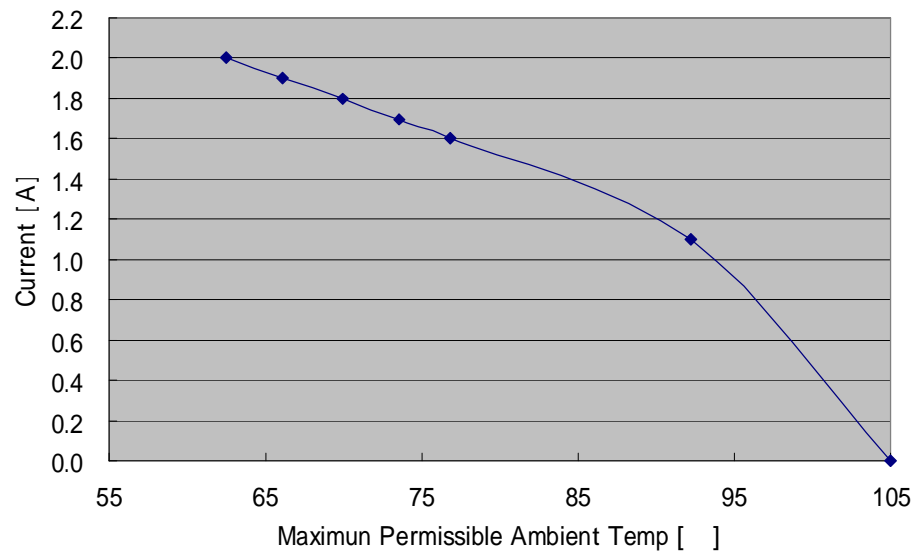
Daisy chain for signal pins

IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

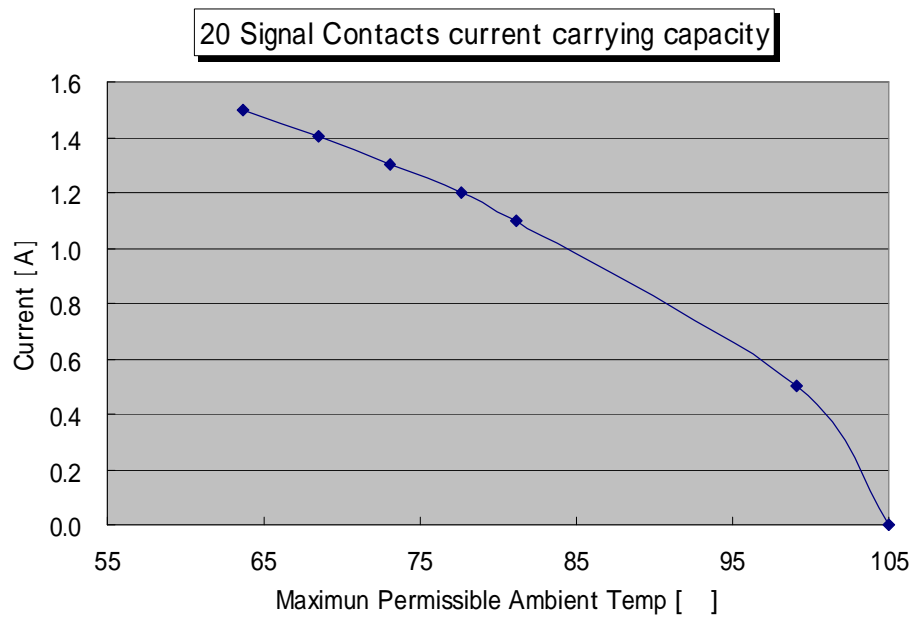
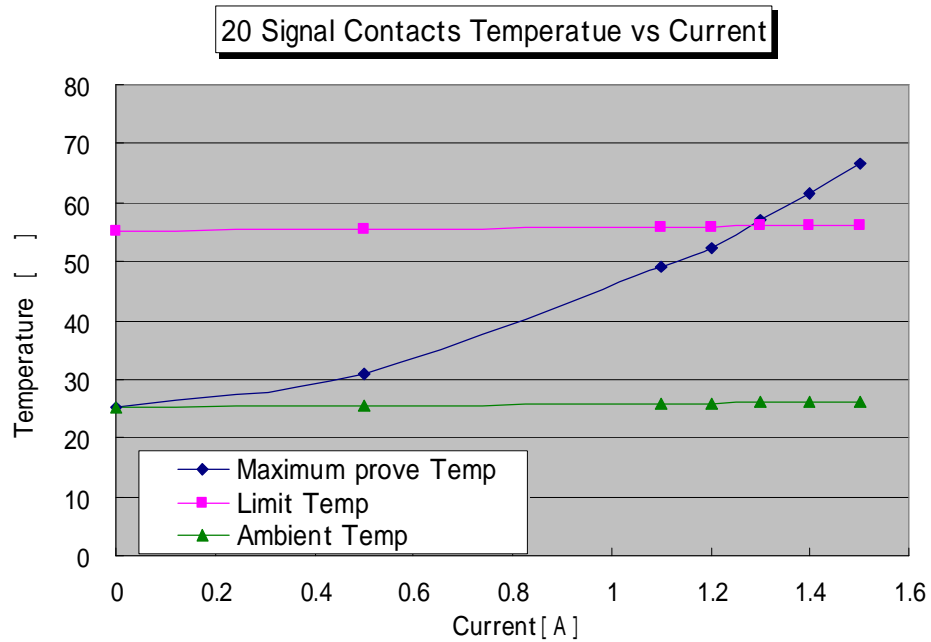
10 Signal Contacts Temperatue vs Current



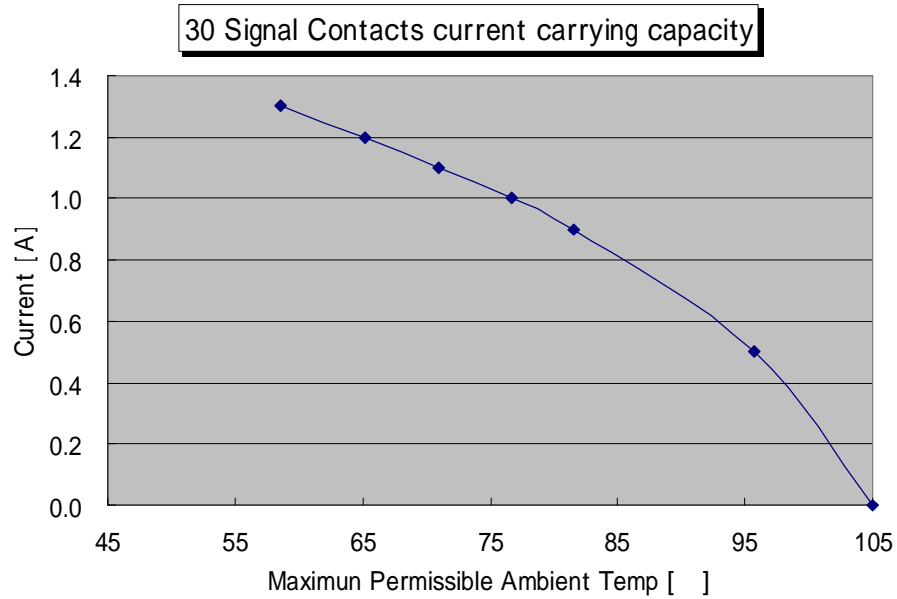
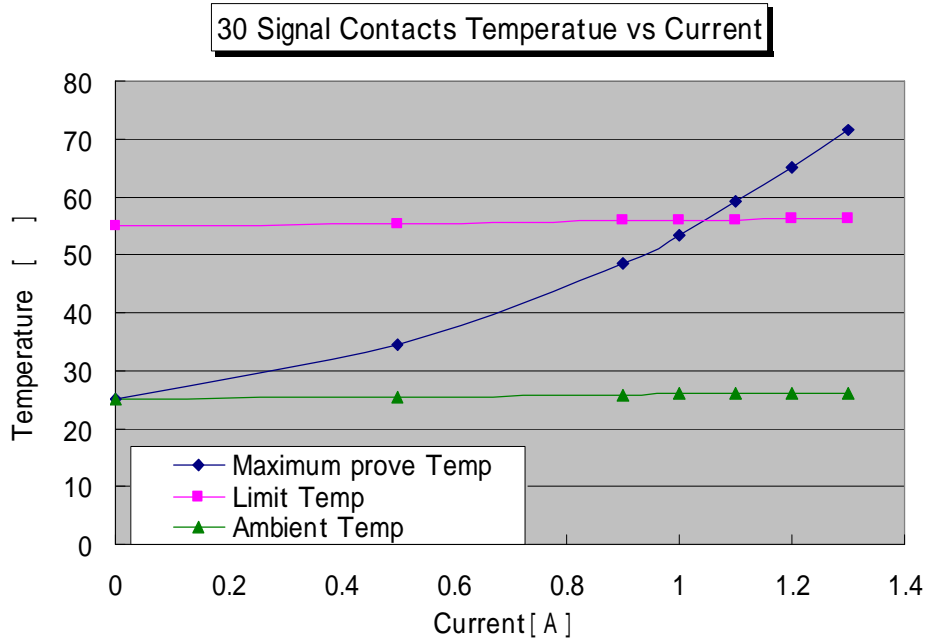
10 Signal Contacts current carrying capacity



IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

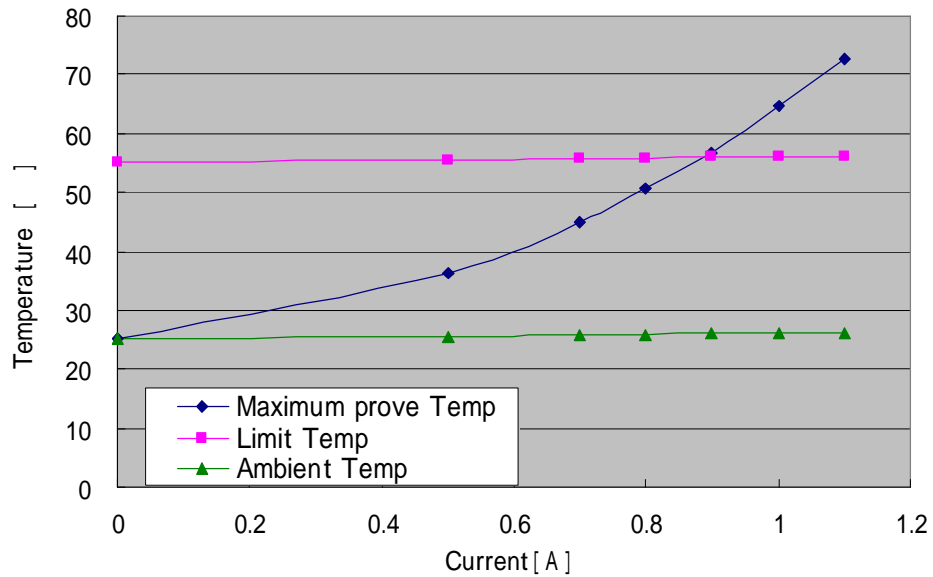


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

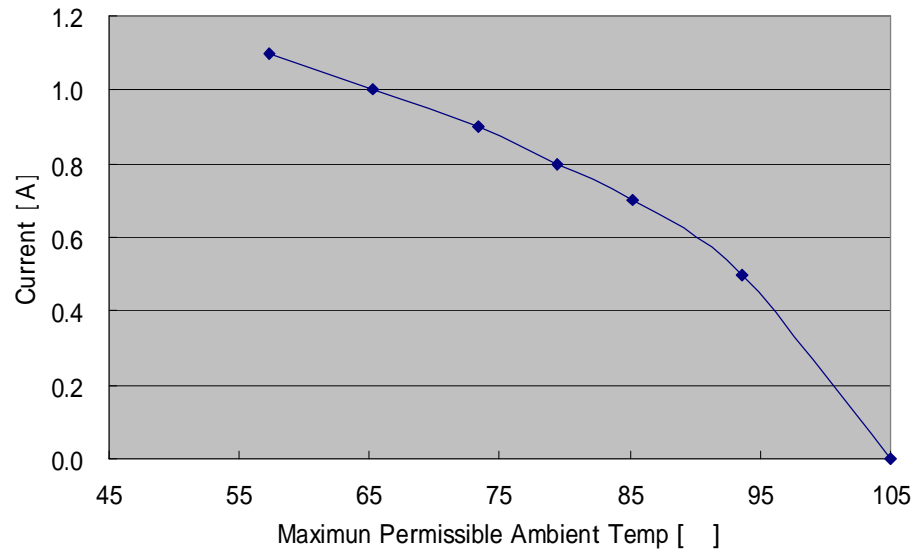


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

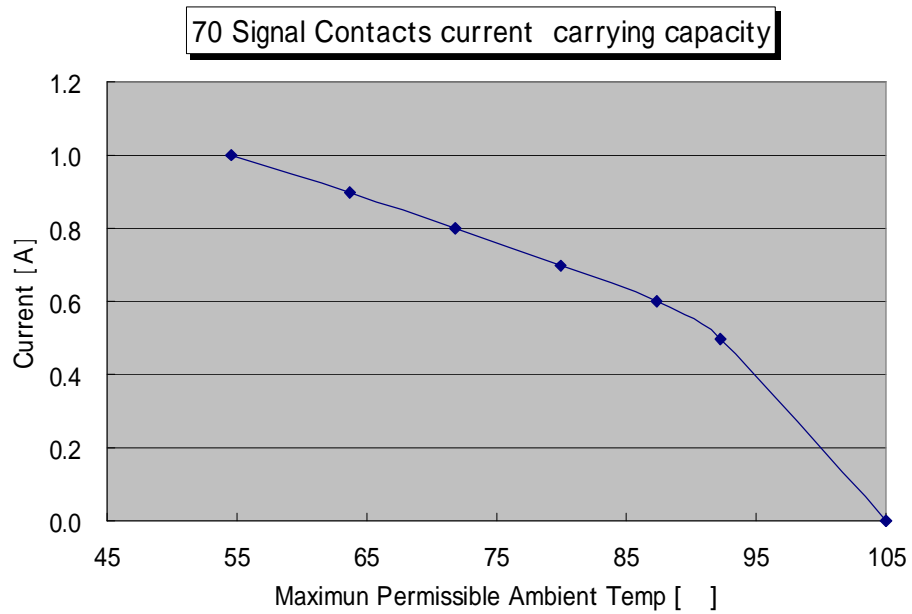
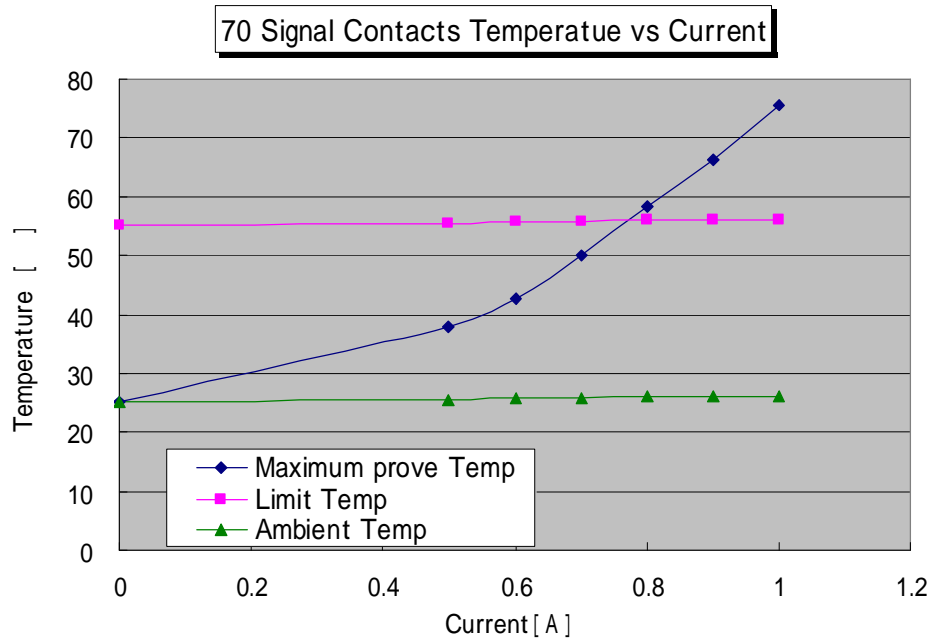
50 Signal Contacts Temperatue vs Current



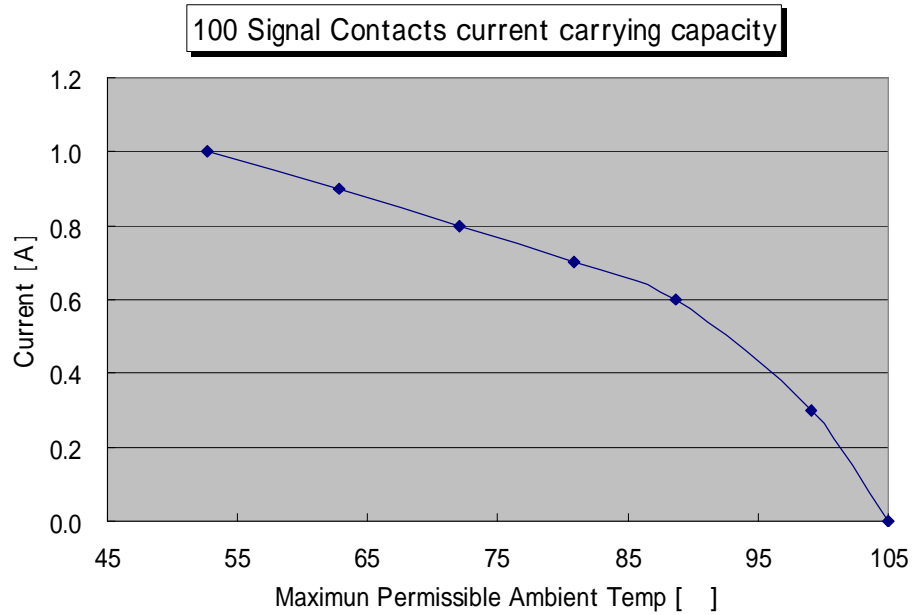
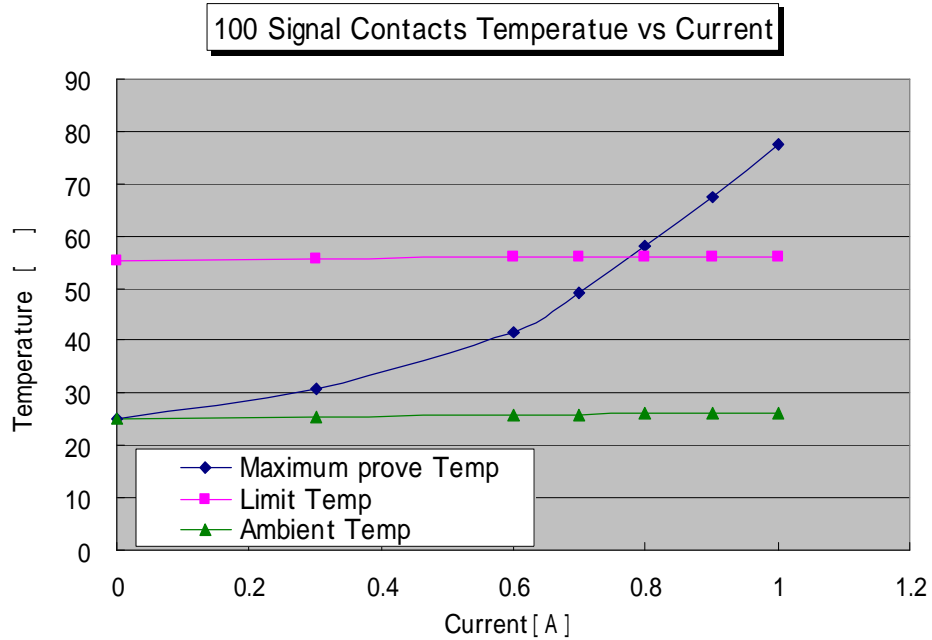
50 Signal Contacts current carrying capacity



IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA



Product name

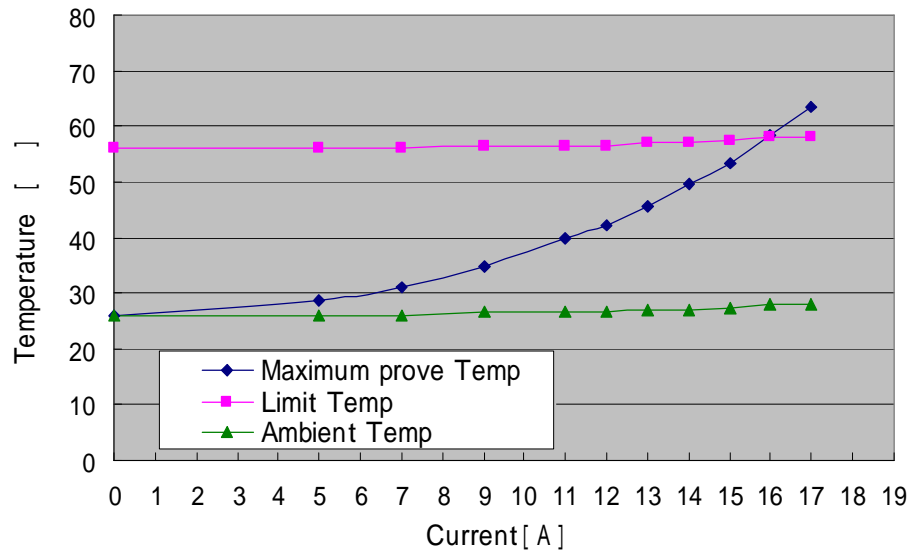
IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

Wire connection

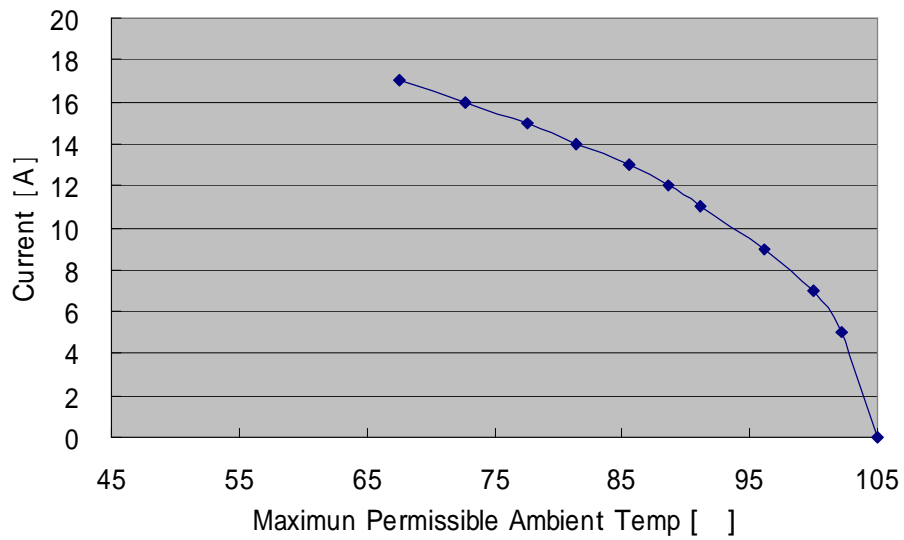
Daisy chain for ground shields

IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

1 Ground Shield Temperatue vs Current

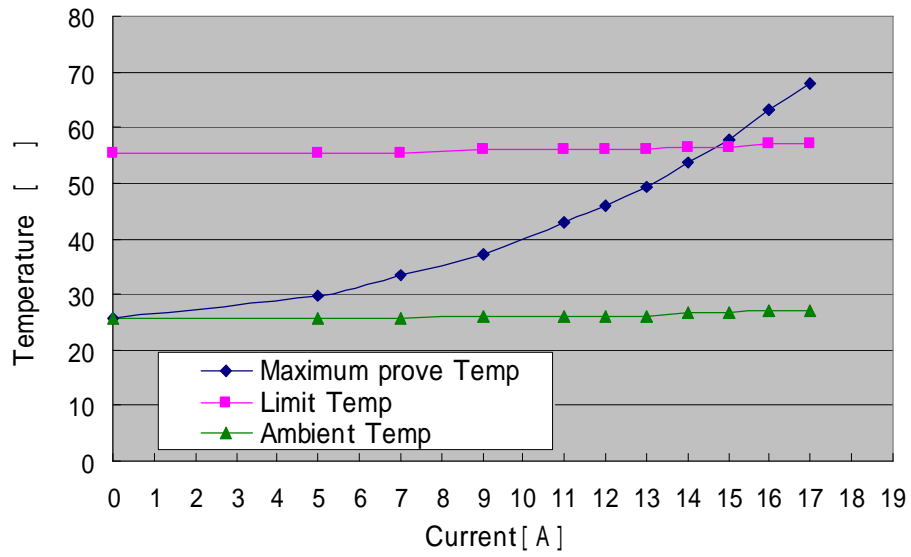


1 Ground Shield current carrying capacity

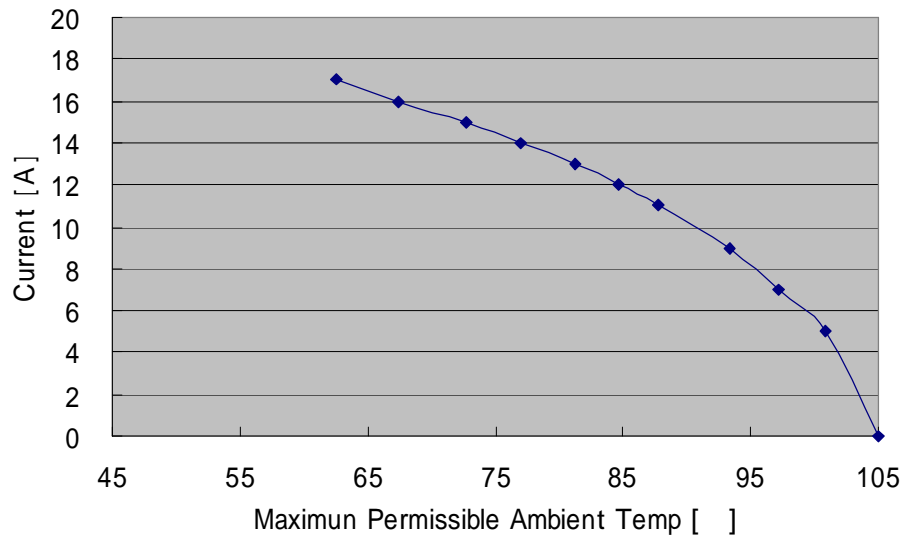


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

2 Ground Shields Temperatue vs Current

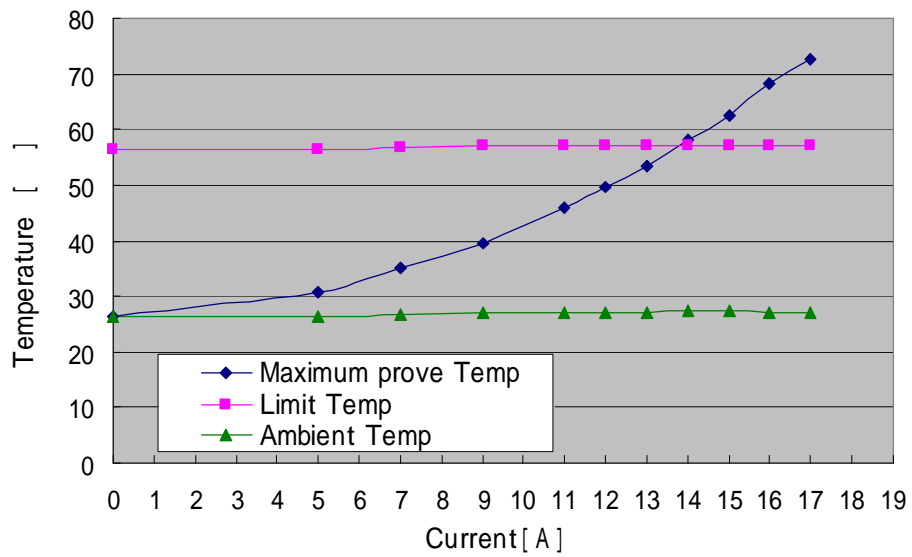


2 Ground Shields current carrying capacity

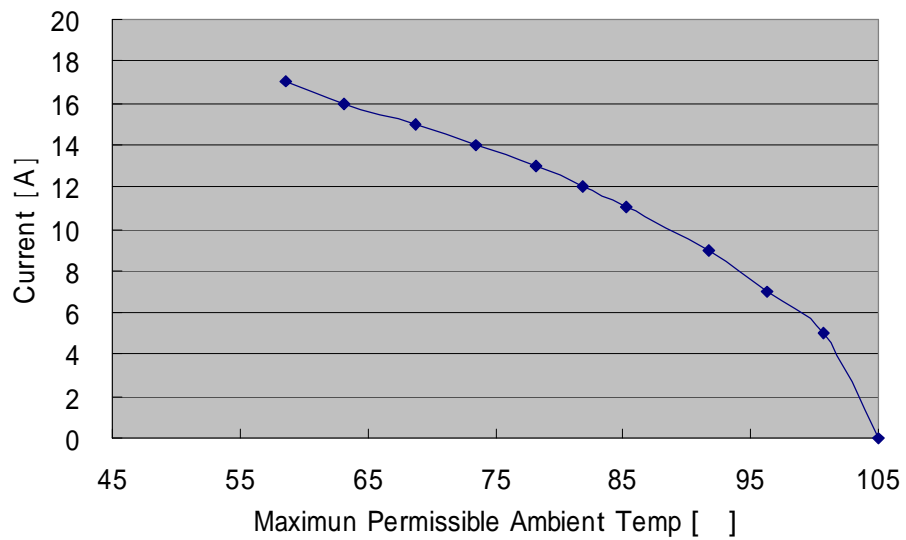


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

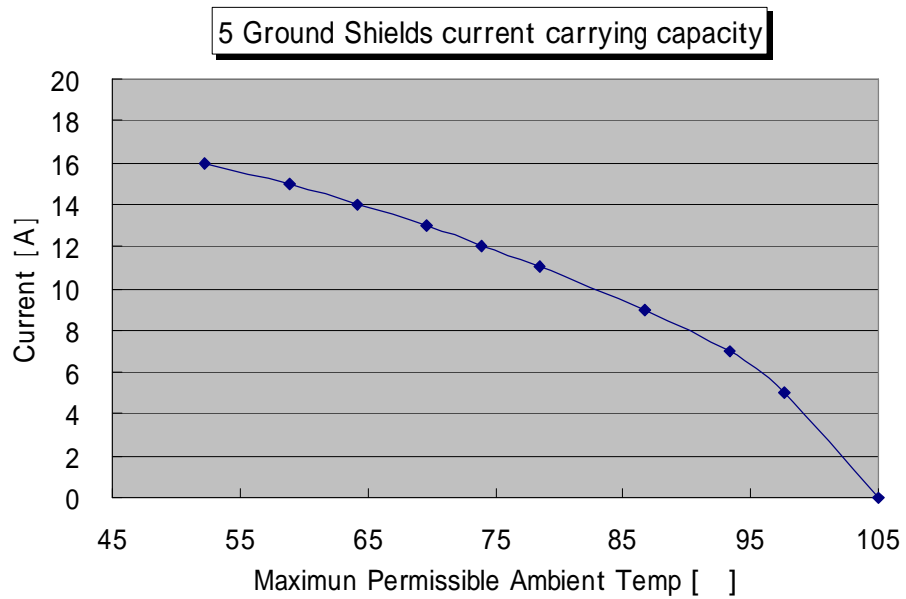
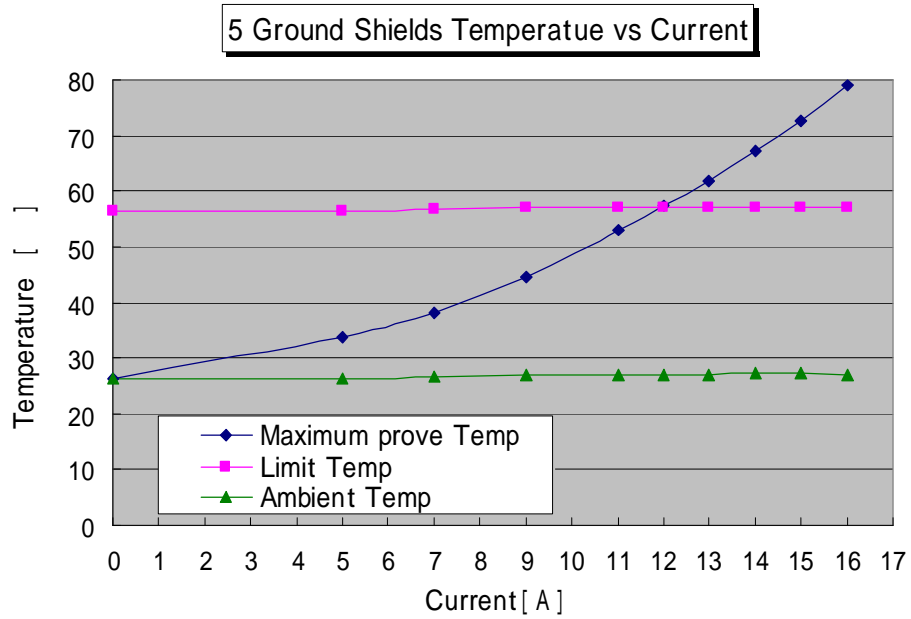
3 Ground Shields Temperature vs Current



3 Ground Shields current carrying capacity

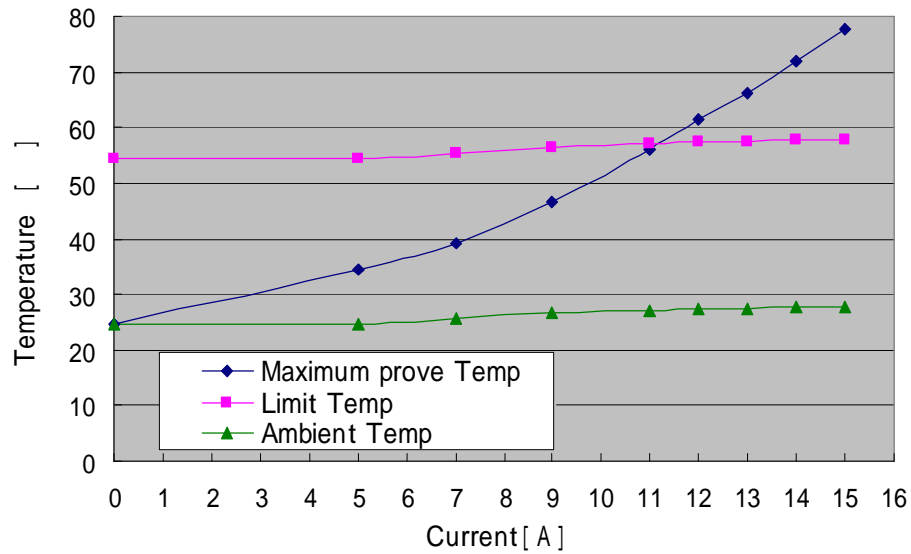


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

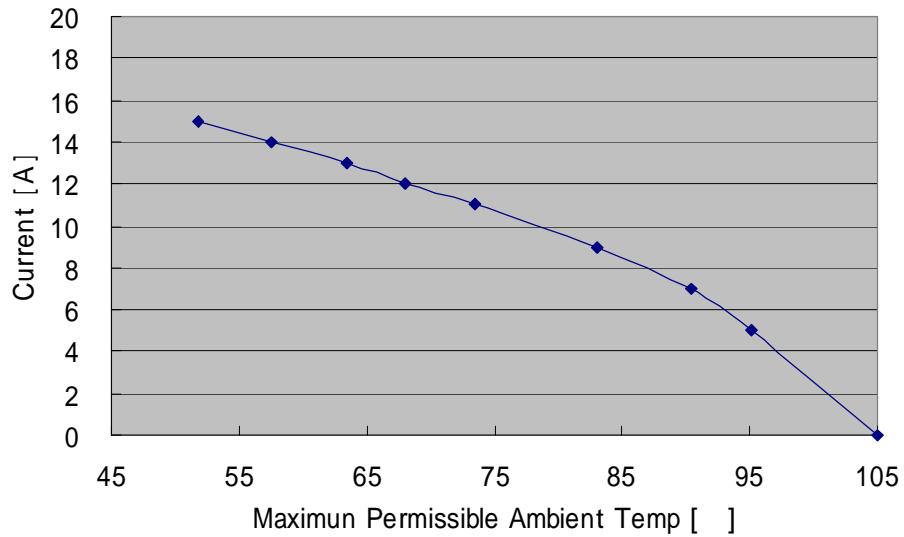


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

7 Ground Shields Temperatue vs Current

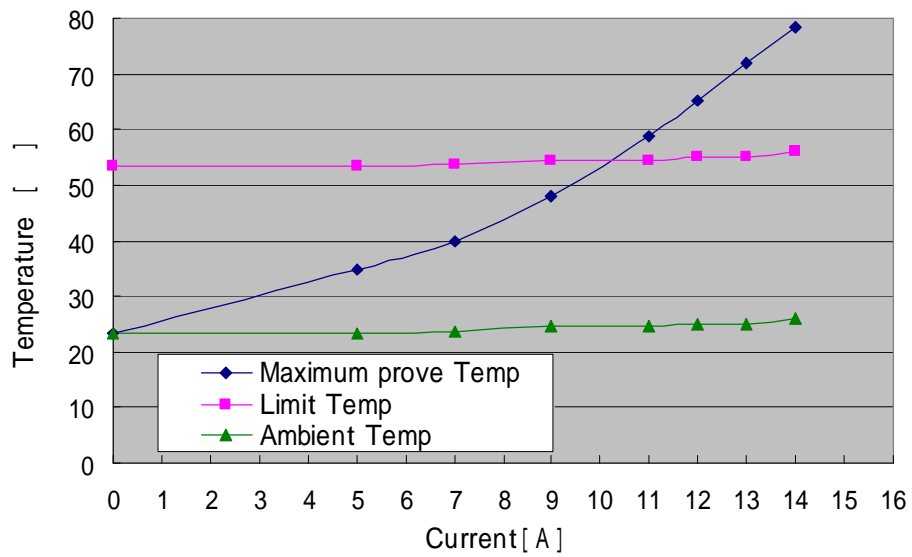


7 Ground Shields current carrying capacity

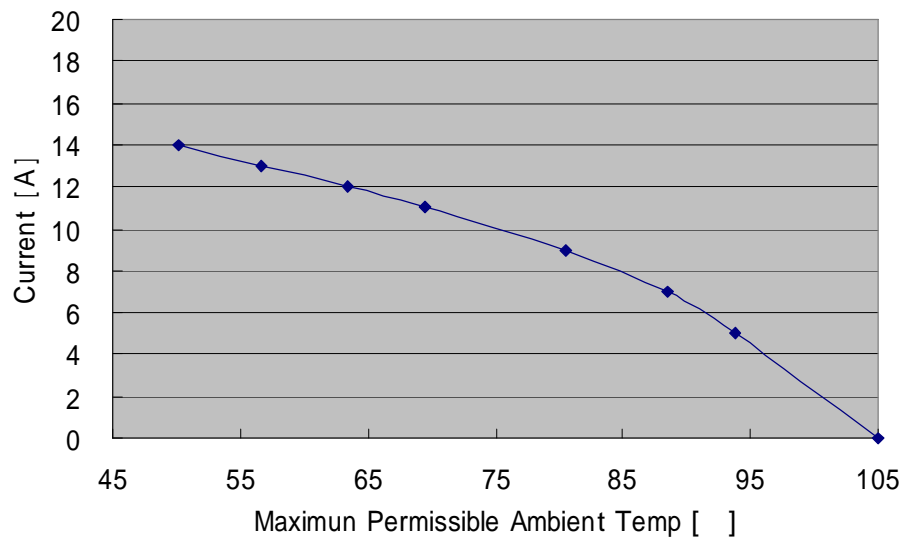


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

10 Ground Shields Temperatue vs Current



10 Ground Shields current carrying capacity



Product name

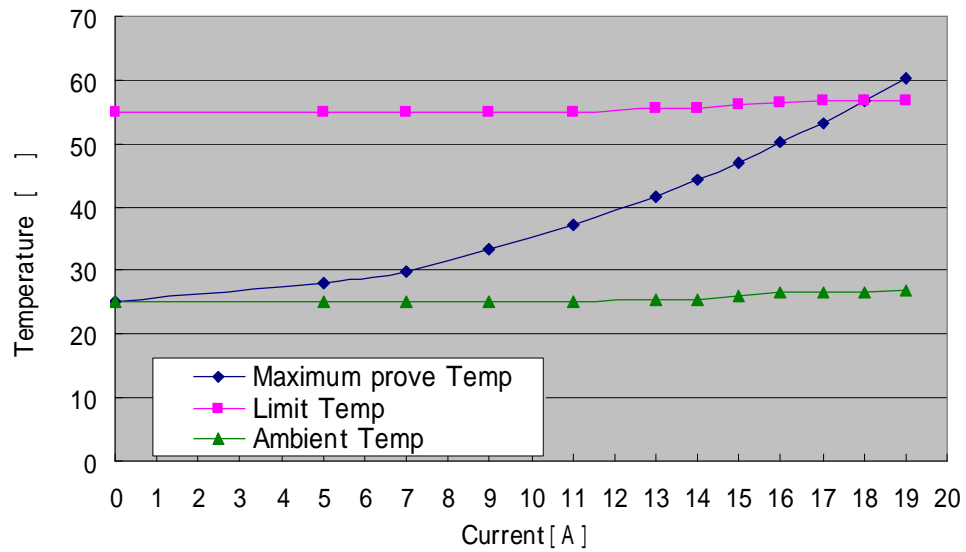
IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

Wire connection

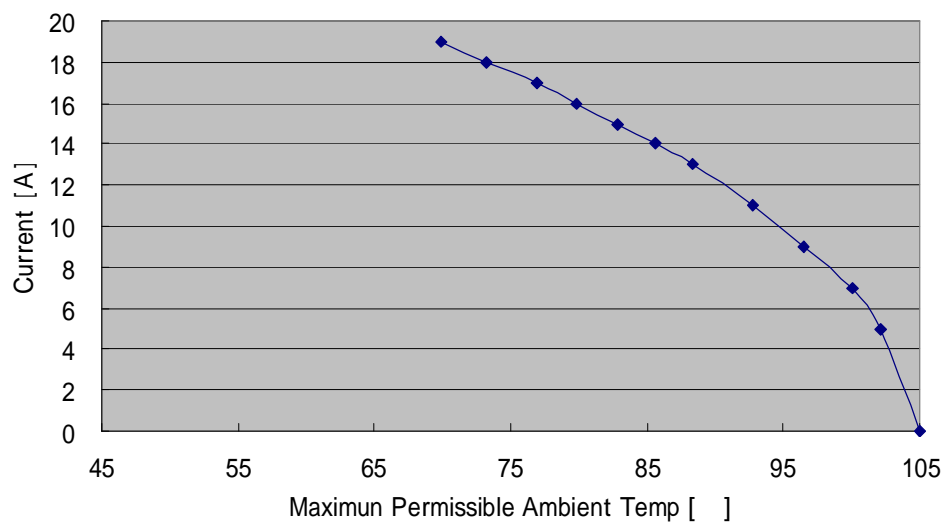
Daisy chain for wafer (signal pins + ground shields)

IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

10 Signals & 1 Ground Shield Temperature vs Current

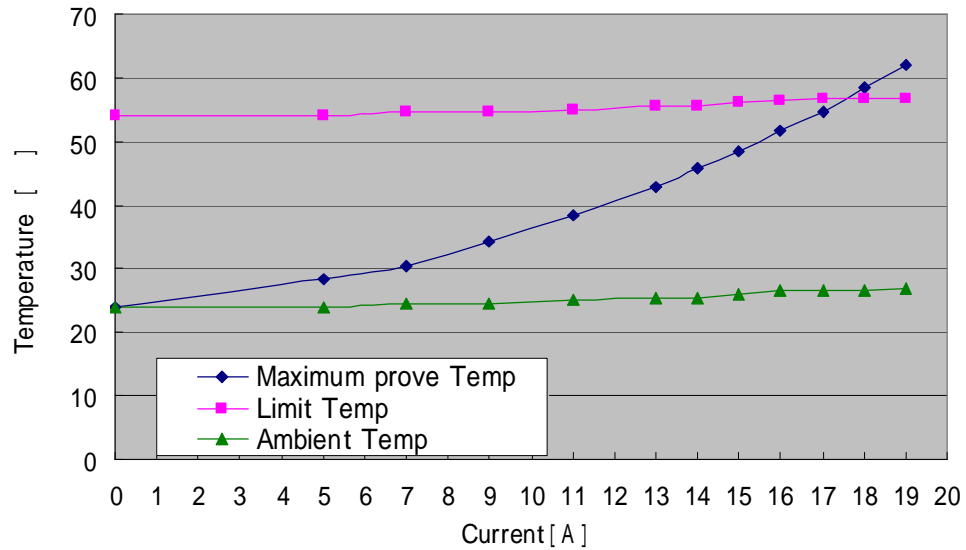


10 Signals & 1 Ground Shield current carrying capacity

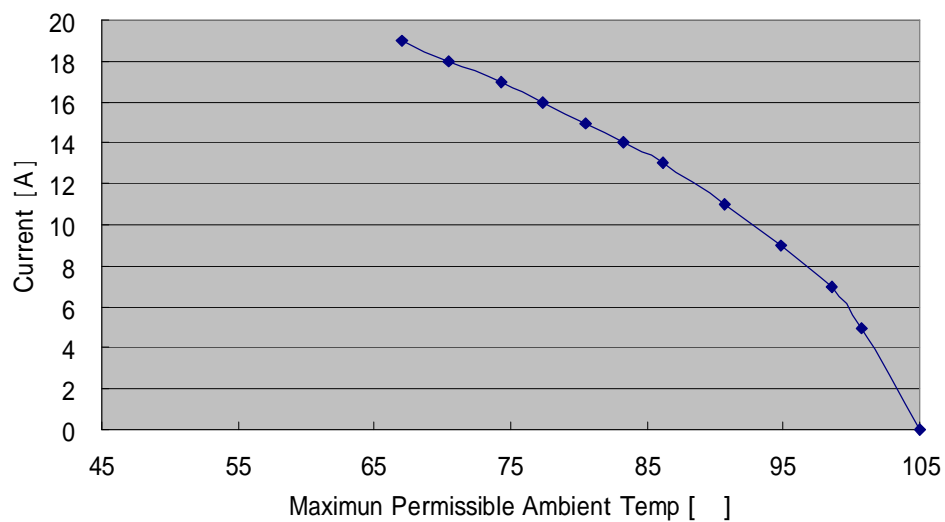


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

20 Signals & 2 Ground Shields Temperatue vs Current

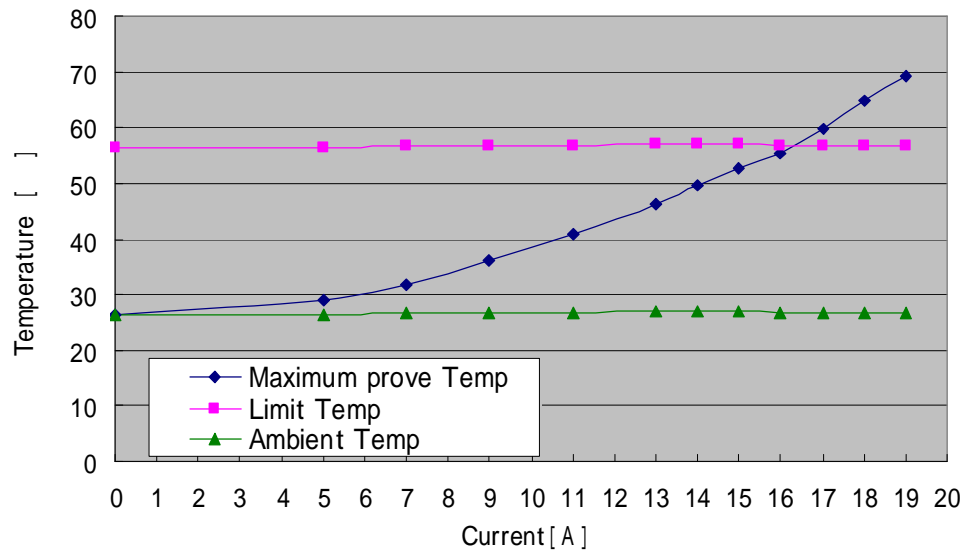


20 Signals & 2 Ground Shields current carrying capacity

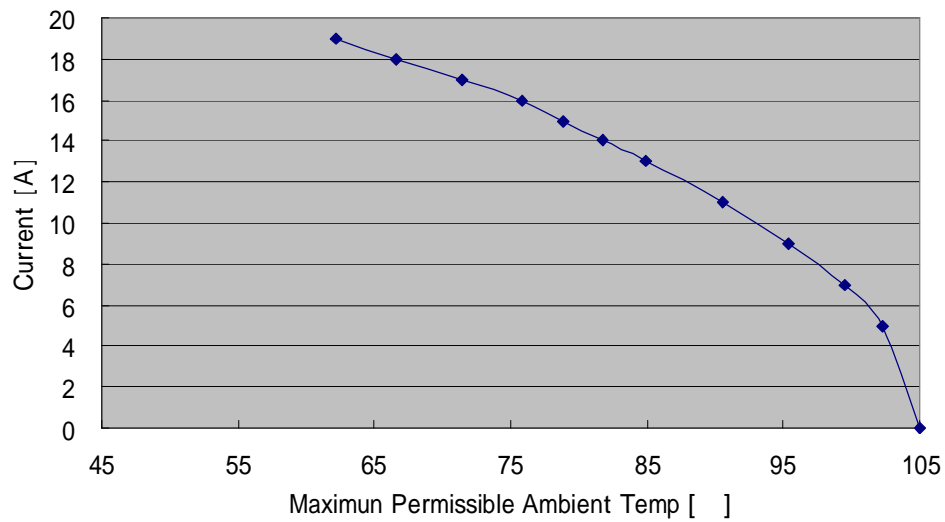


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

30 Signals & 3 Ground Shields Temperature vs Current

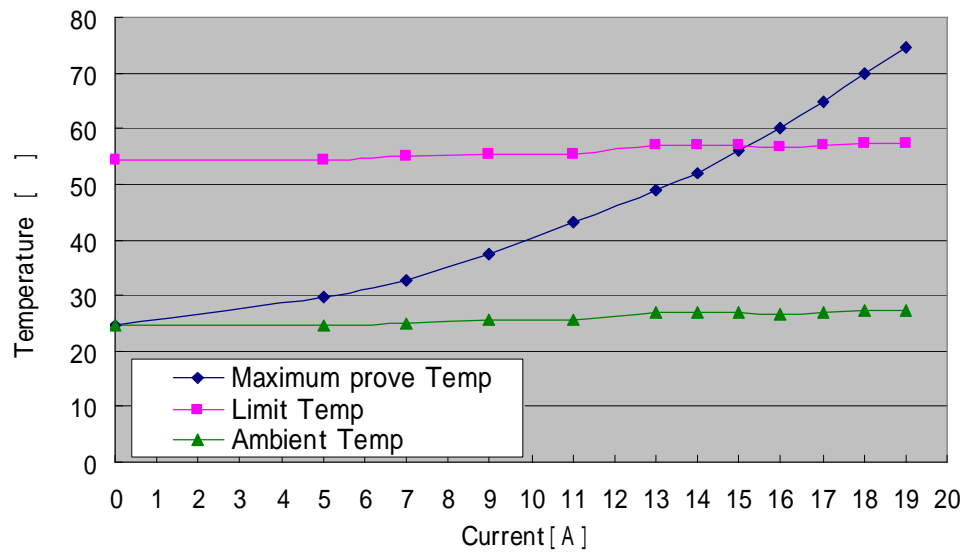


30 Signals & 3 Ground Shields current carrying capacity

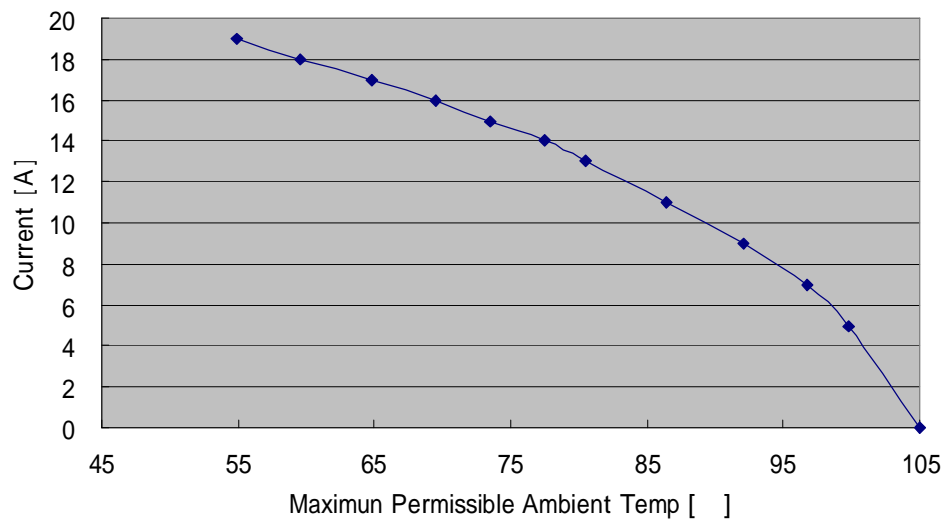


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

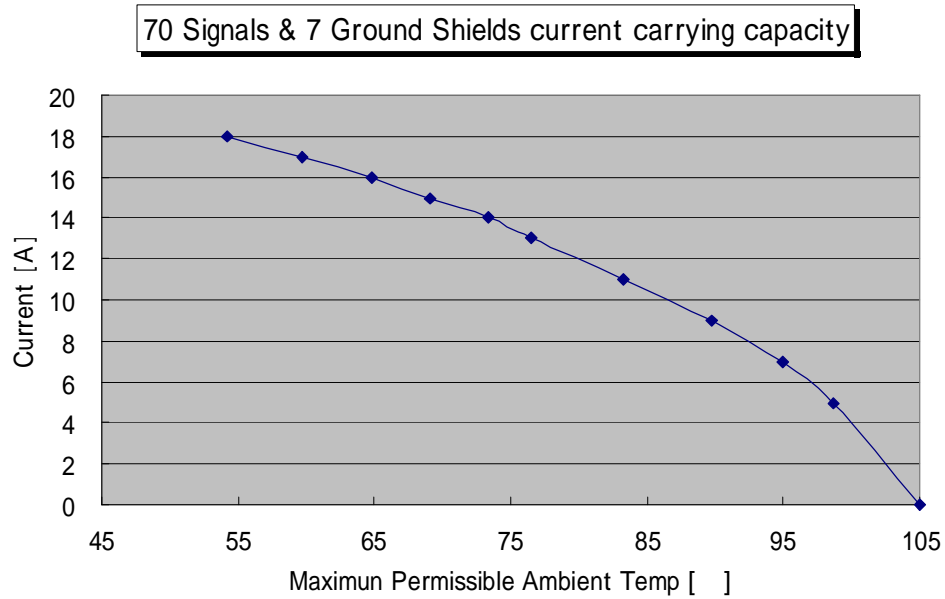
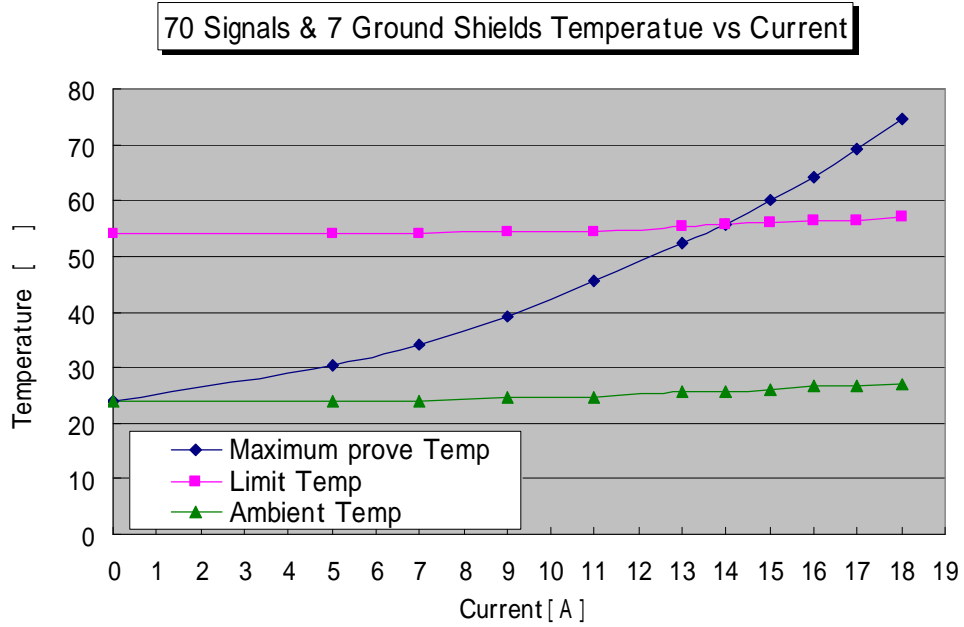
50 Signals & 5 Ground Shields Temperature vs Current



50 Signals & 5 Ground Shields current carrying capacity

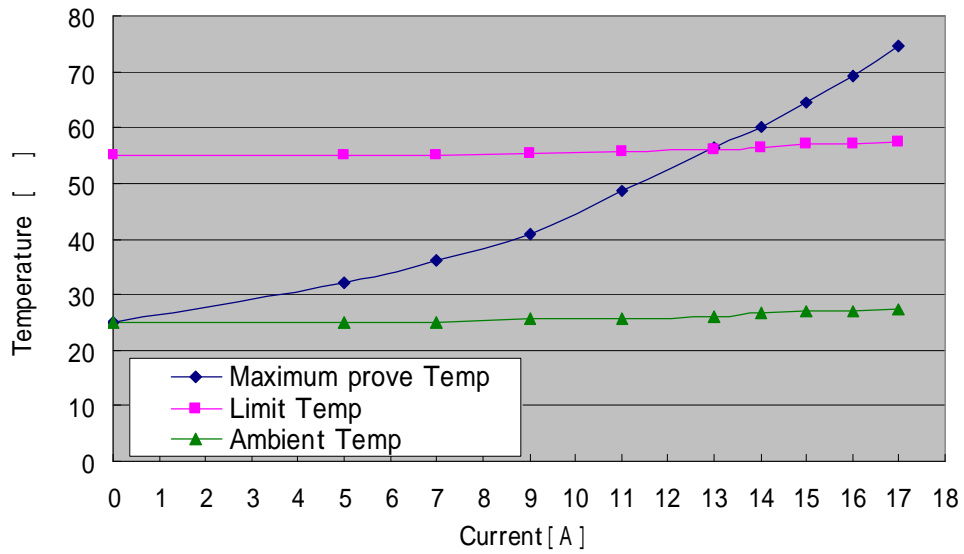


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

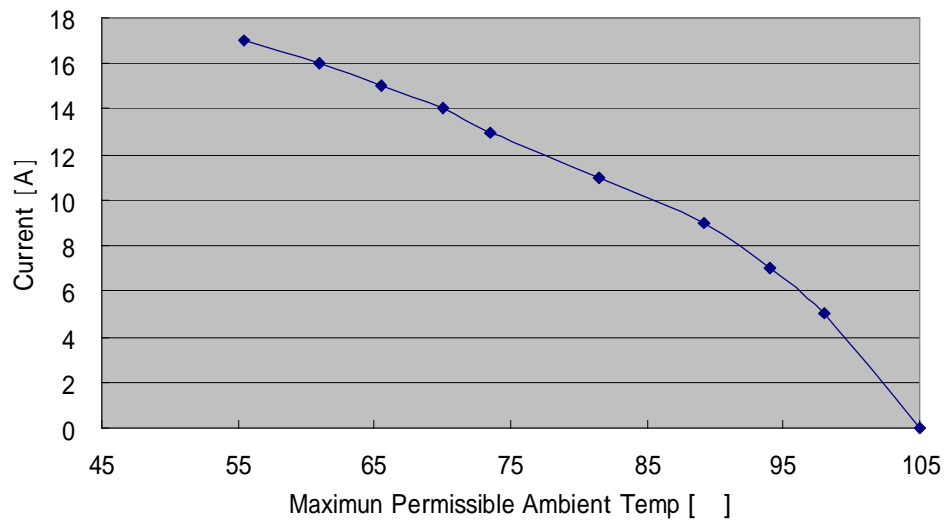


IT3M-300S-BGA / IT3-300P-28H / IT3D-300S-BGA

100 Signals & 10 Ground Shields Temperature vs Current



100 Signals & 10 Ground Shields current carrying capacity



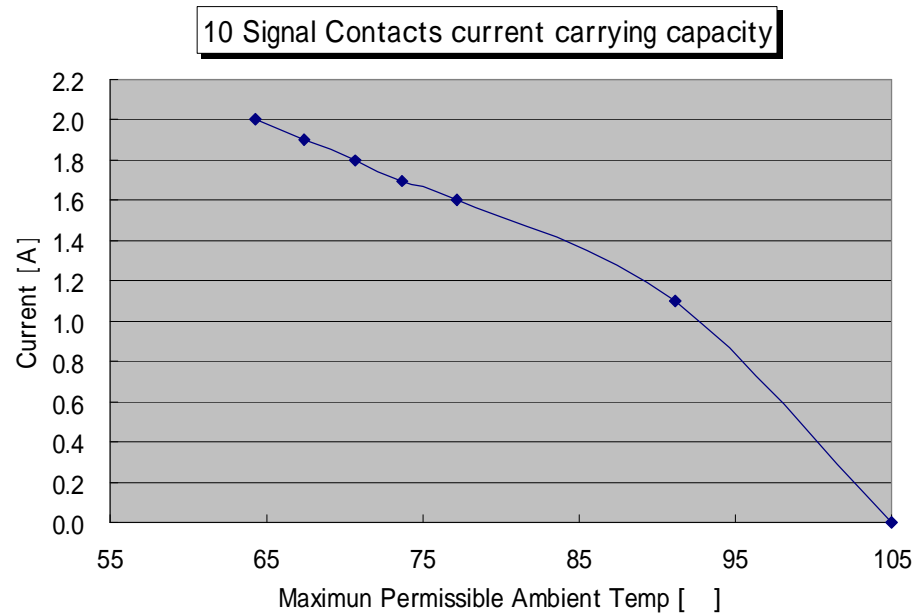
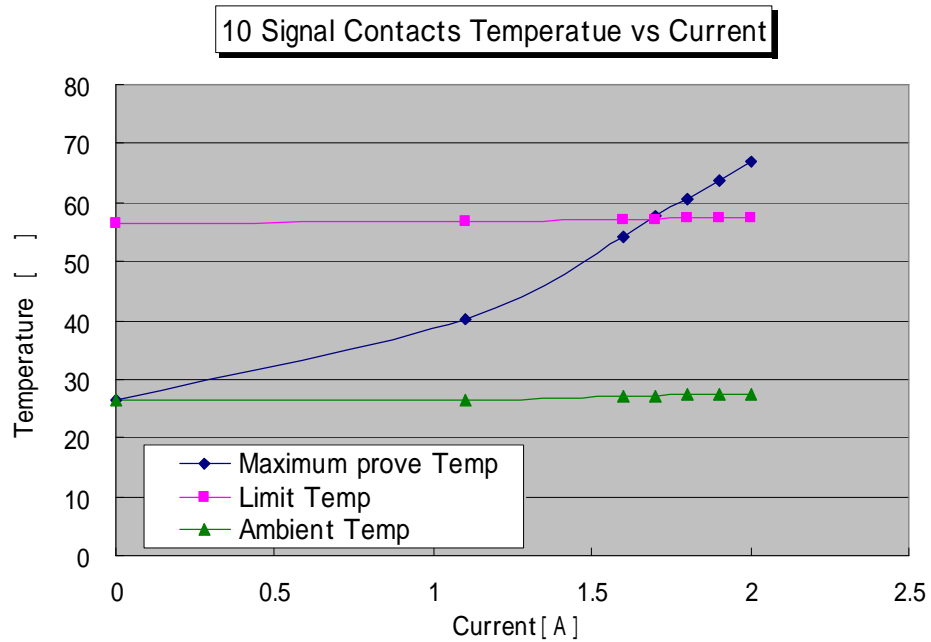
Product name

IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

Wire connection

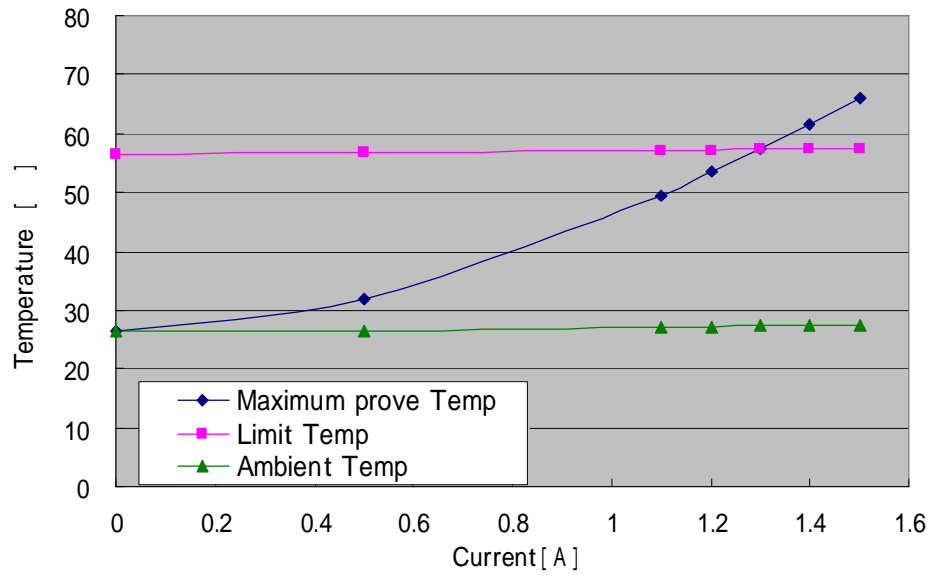
Daisy chain for signal pins

IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

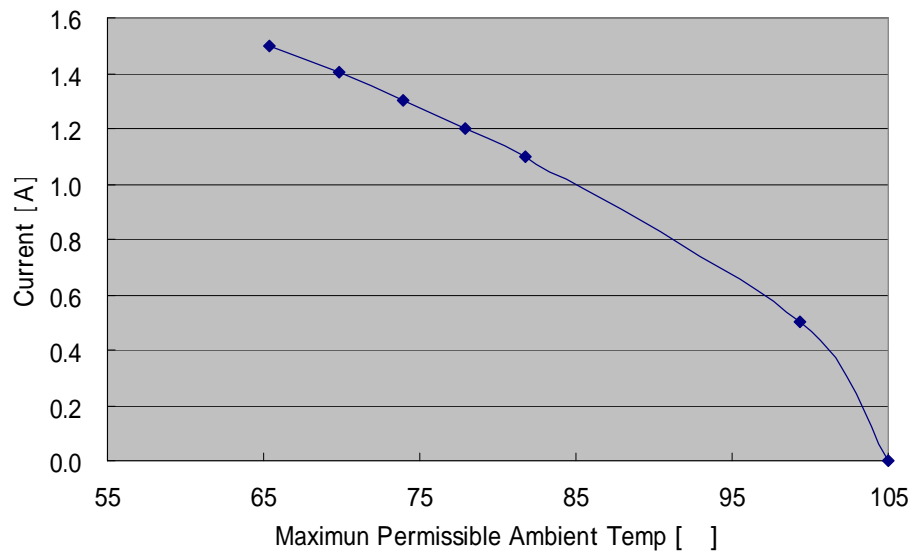


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

20 Signal Contacts Temperature vs Current

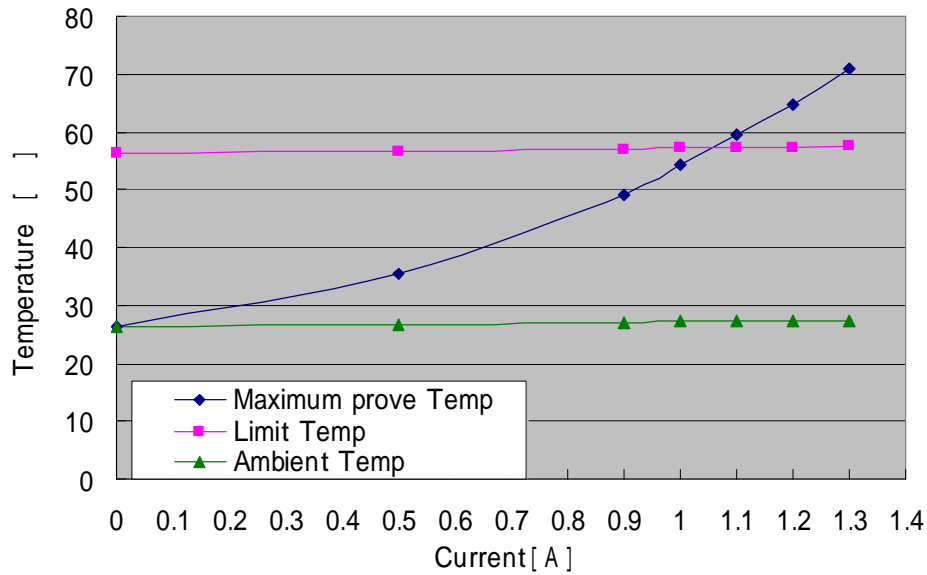


20 Signal Contacts current carrying capacity

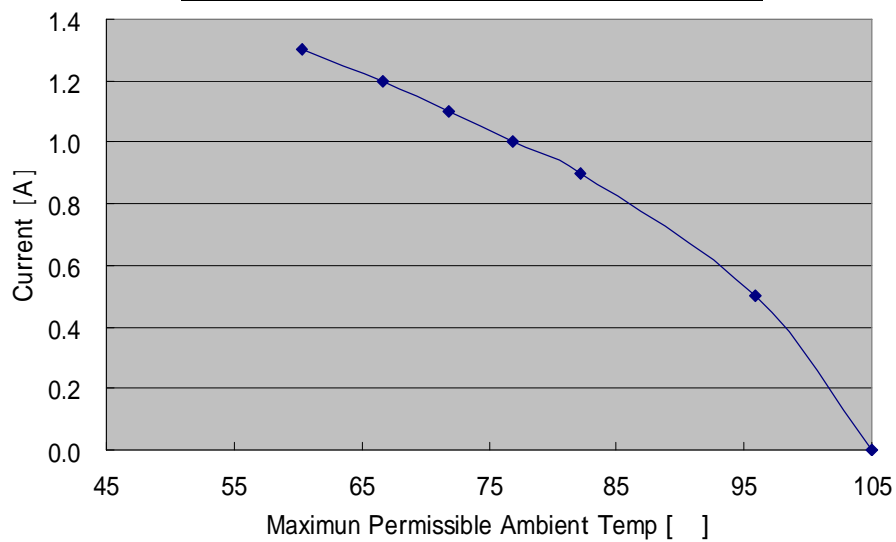


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

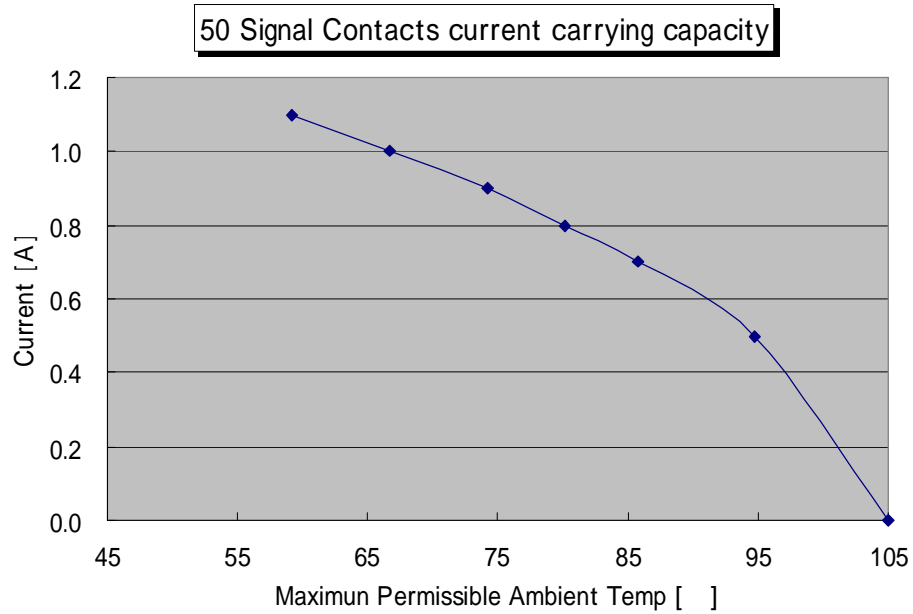
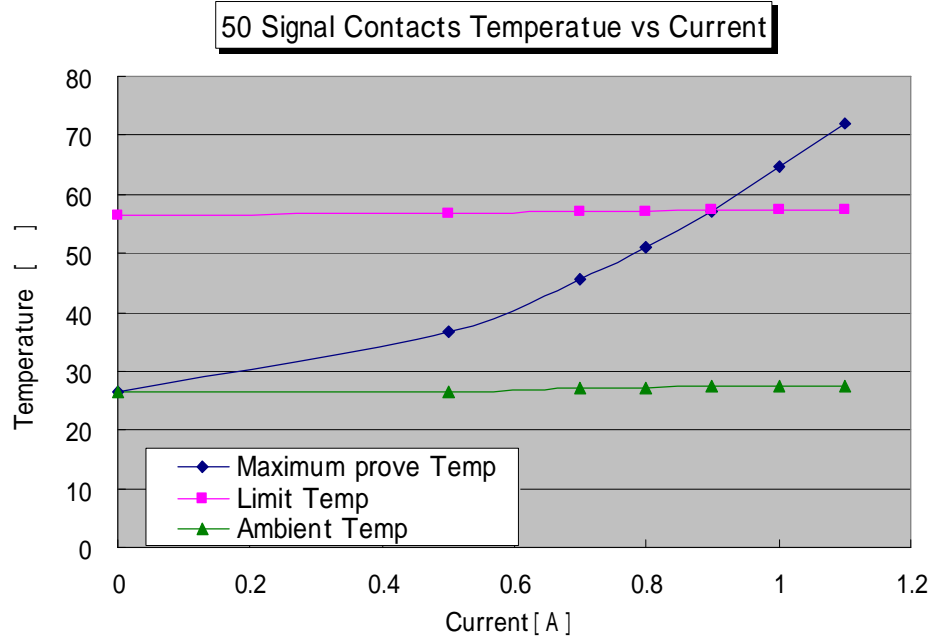
30 Signal Contacts Temperatue vs Current



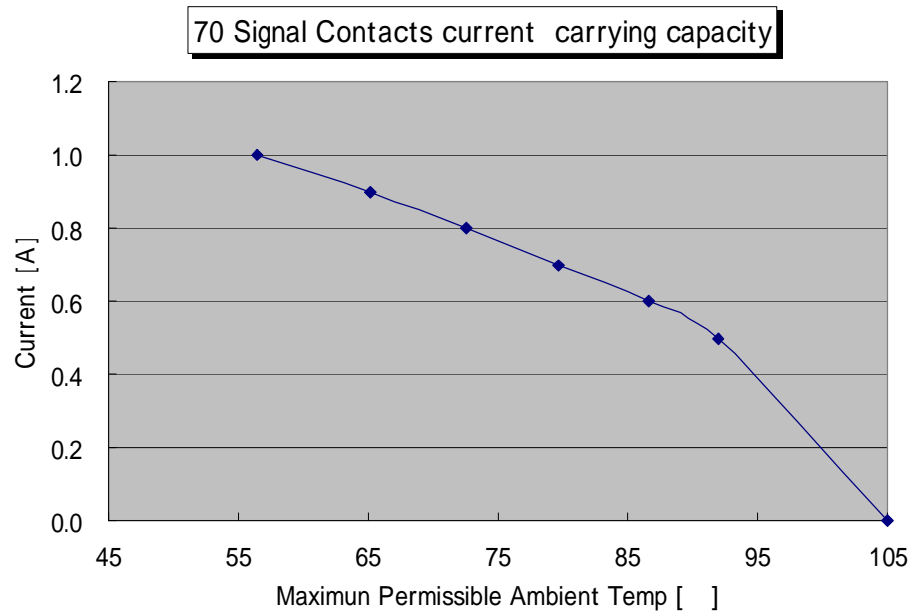
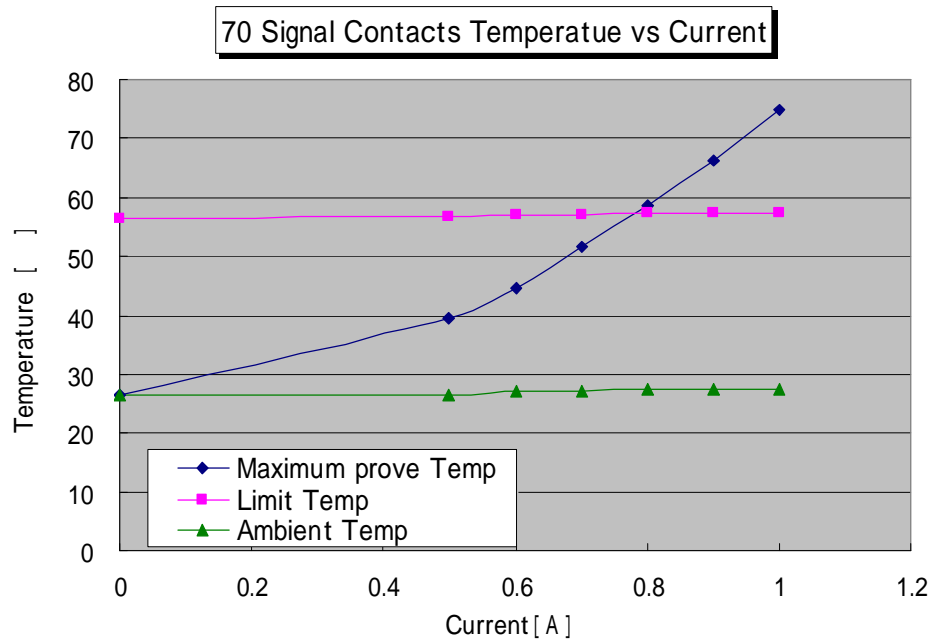
30 Signal Contacts current carrying capacity



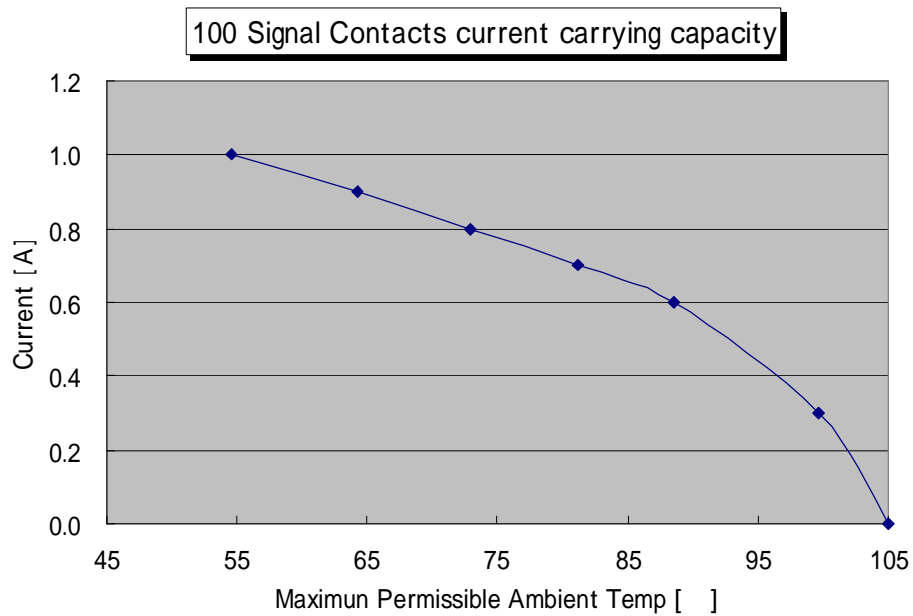
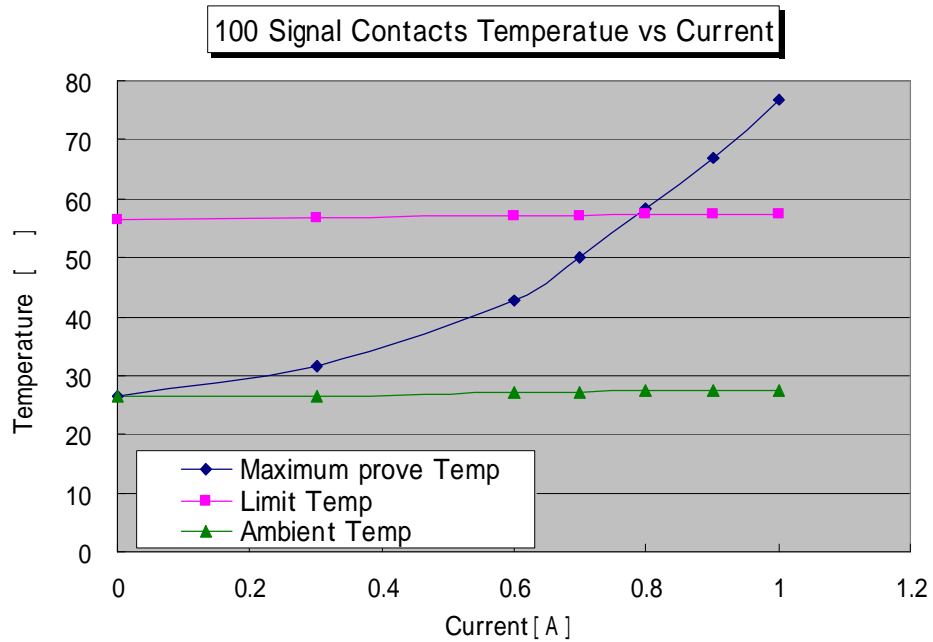
IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA



Product name

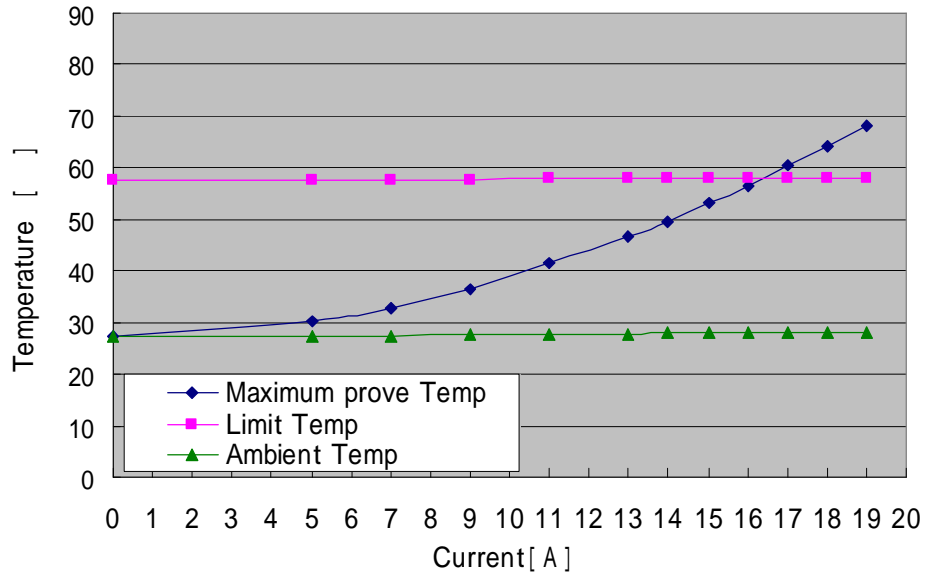
IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

Wire connection

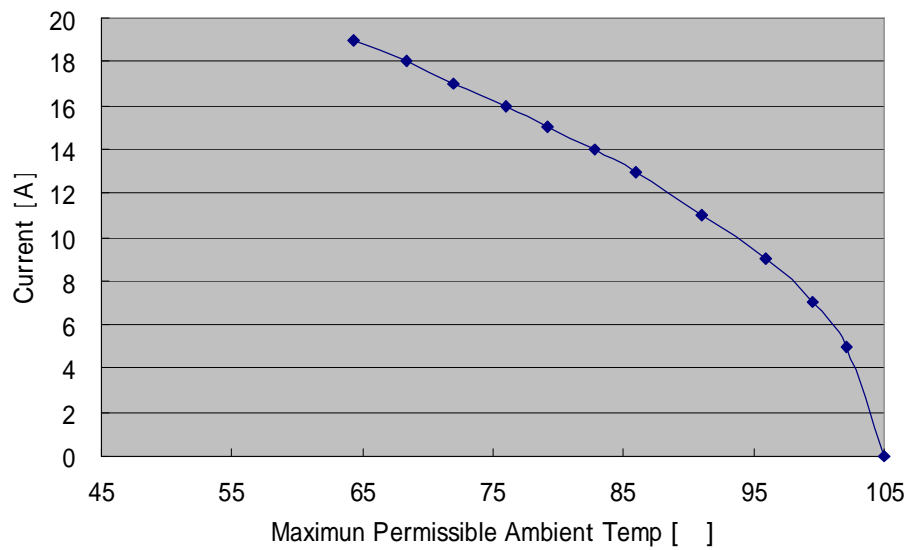
Daisy chain for ground shields

IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

1 Ground Shield Temperature vs Current

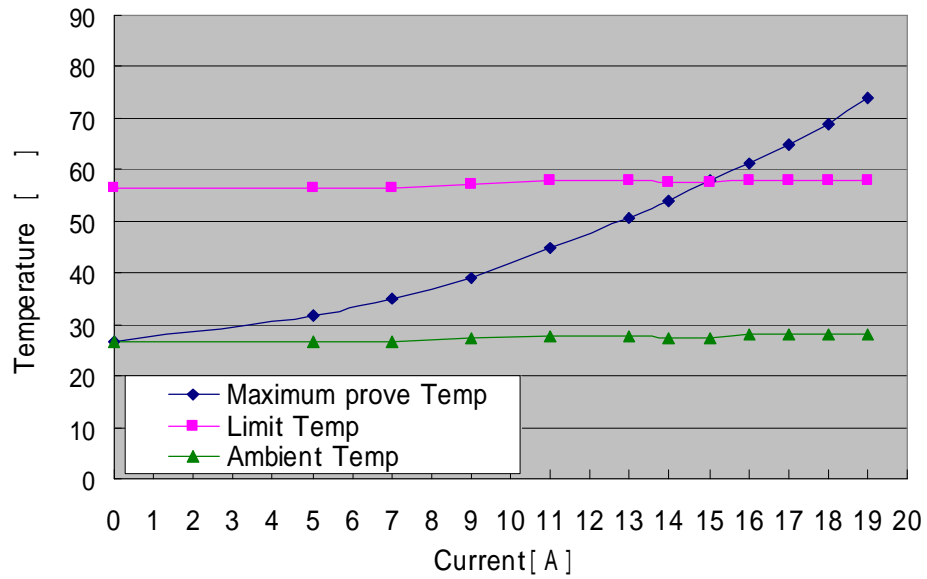


1 Ground Shield current carrying capacity

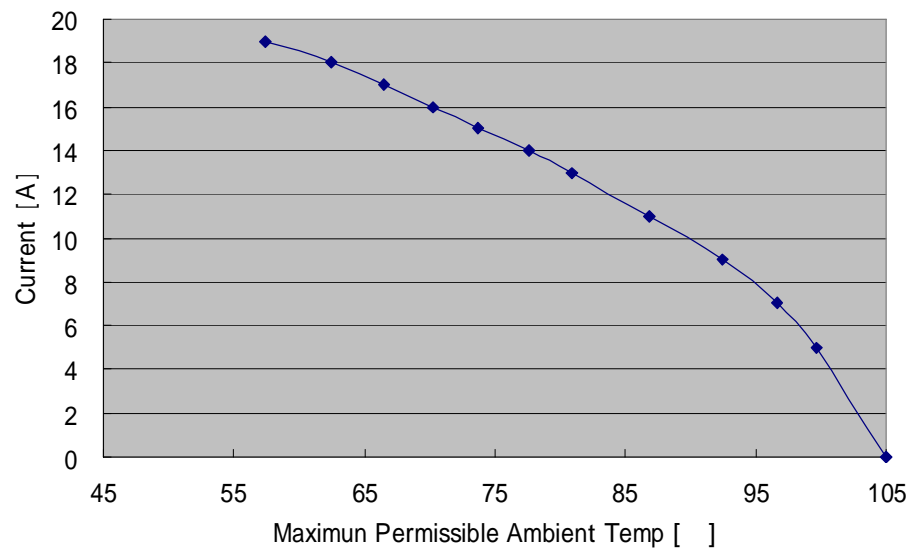


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

2 Ground Shields Temperature vs Current

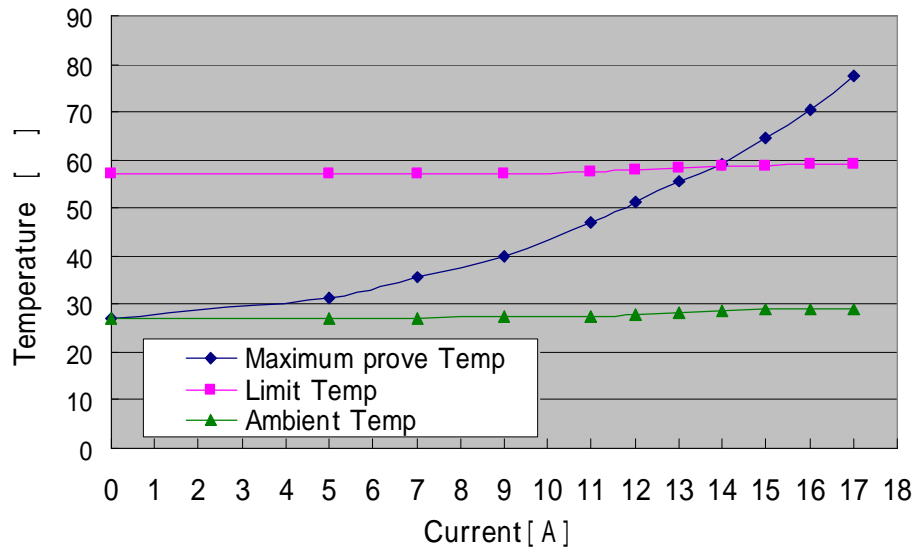


2 Ground Shields current carrying capacity

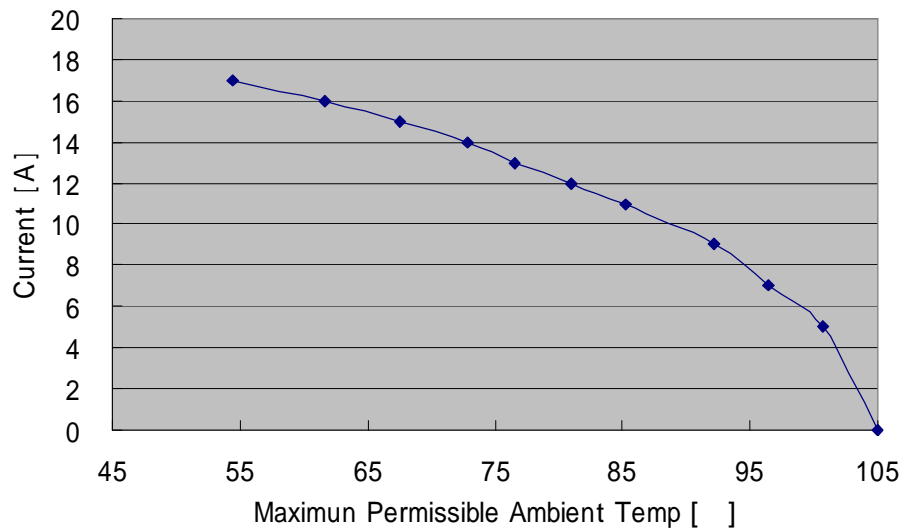


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

3 Ground Shields Temperature vs Current

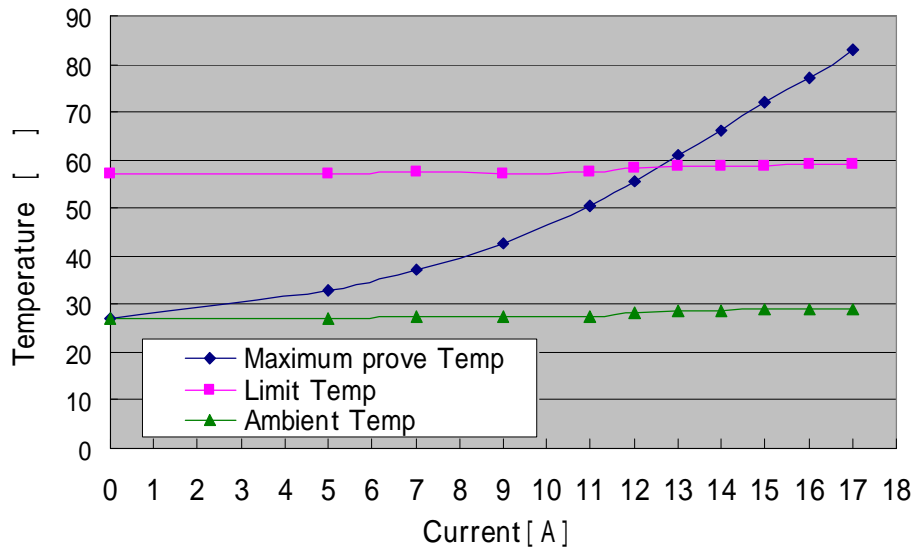


3 Ground Shields current carrying capacity

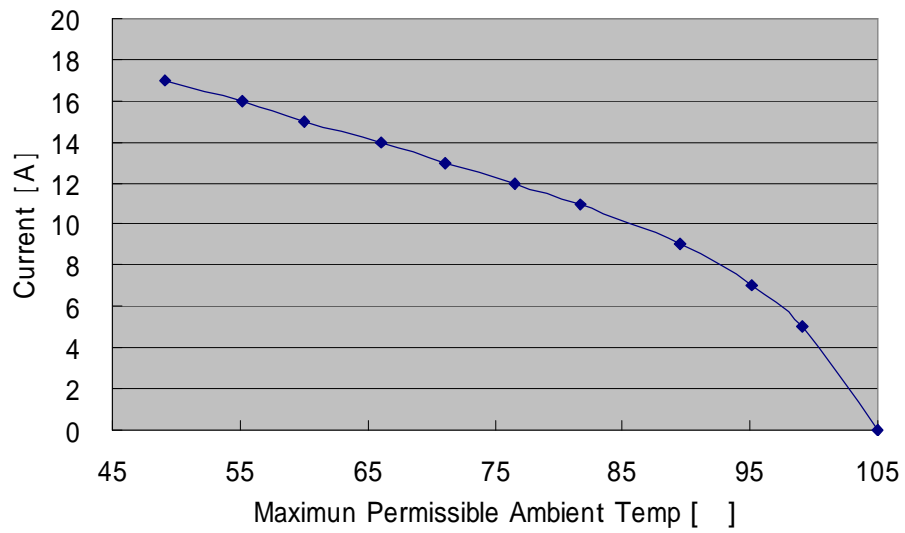


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

5 Ground Shields Temperature vs Current

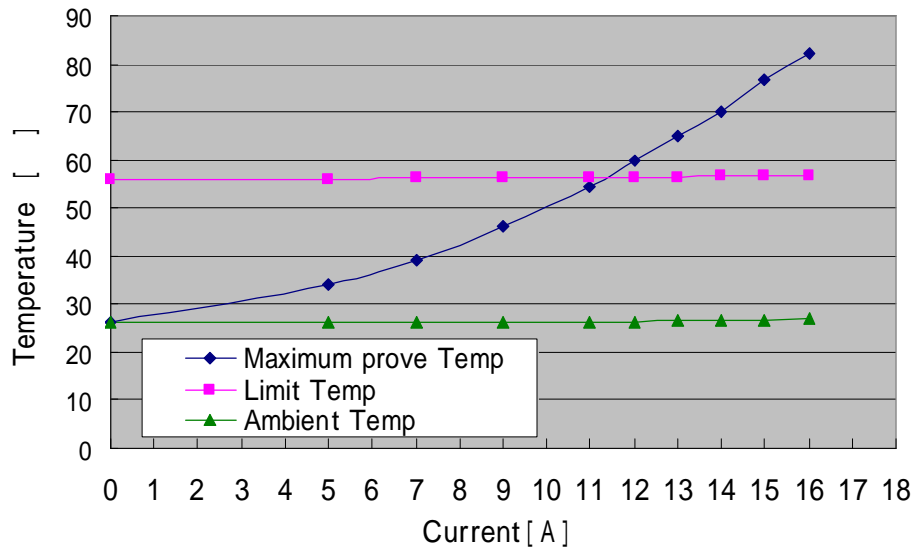


5 Ground Shields current carrying capacity

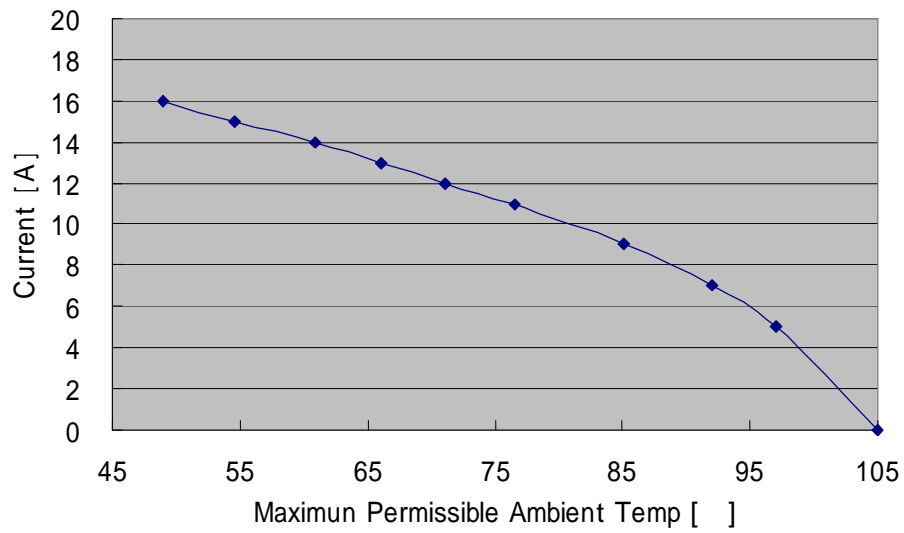


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

7 Ground Shields Temperatue vs Current

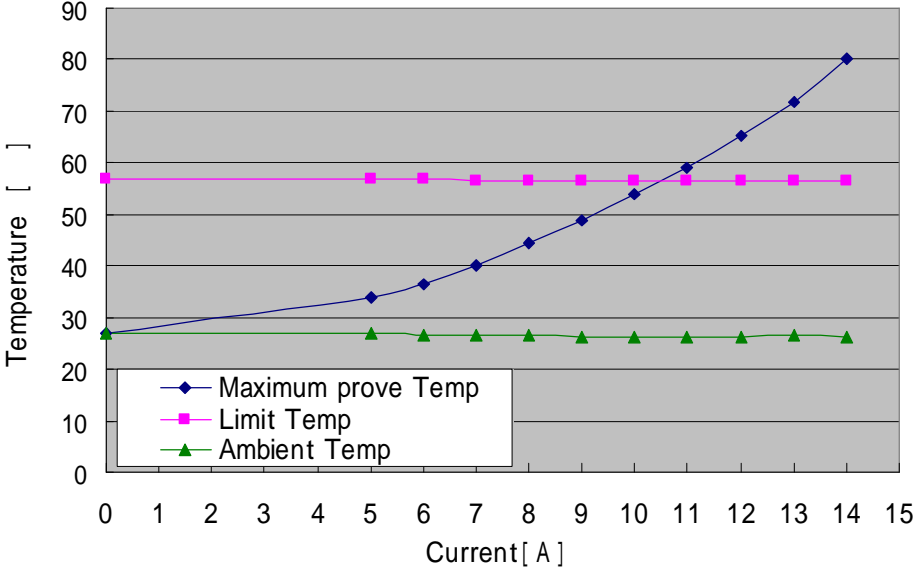


7 Ground Shields current carrying capacity

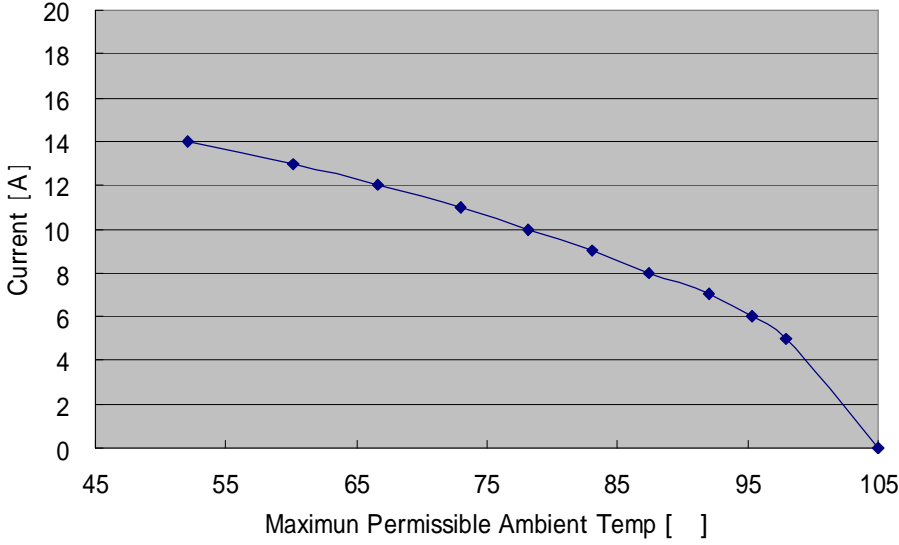


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

10 Ground Shields Temperature vs Current



10 Ground Shields current carrying capacity



Product name

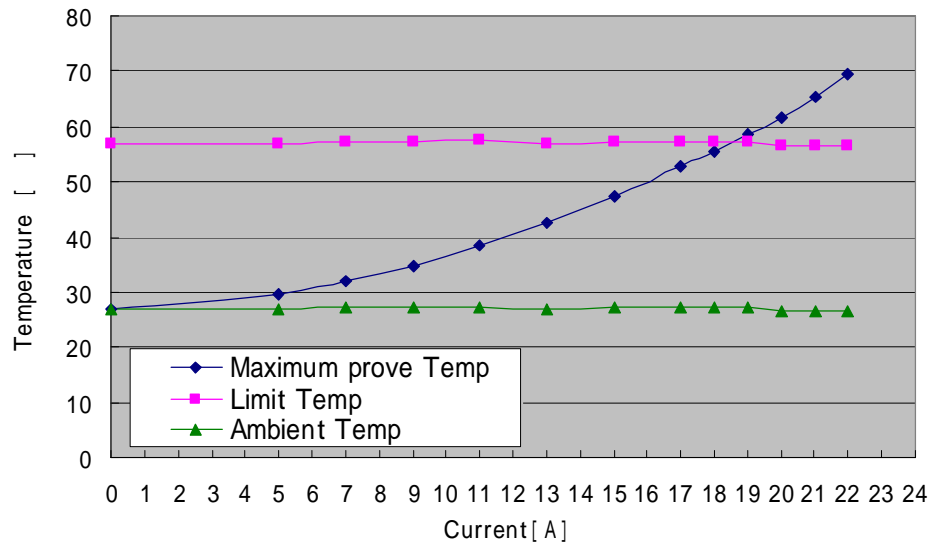
IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

Wire connection

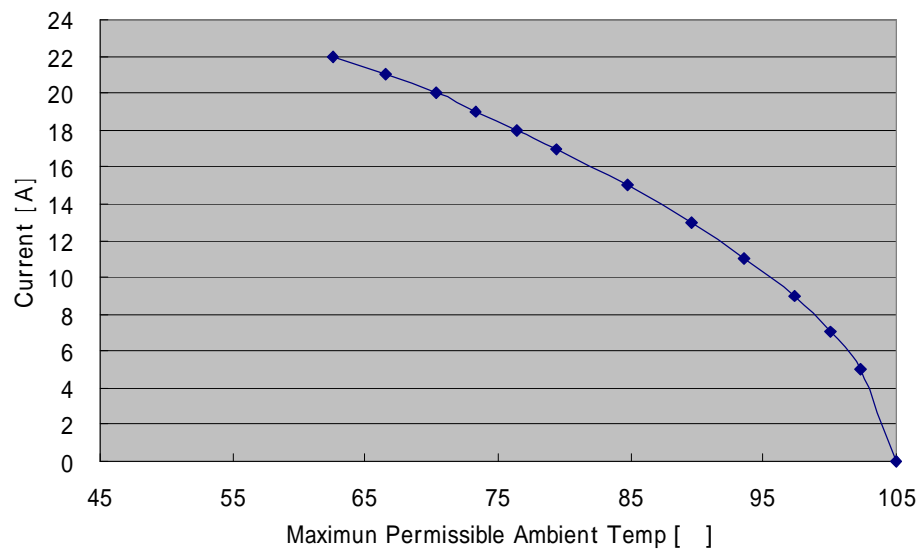
Daisy chain for wafer (signal pins + ground shields)

IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

10 Signals & 1 Ground Shield Temperature vs Current

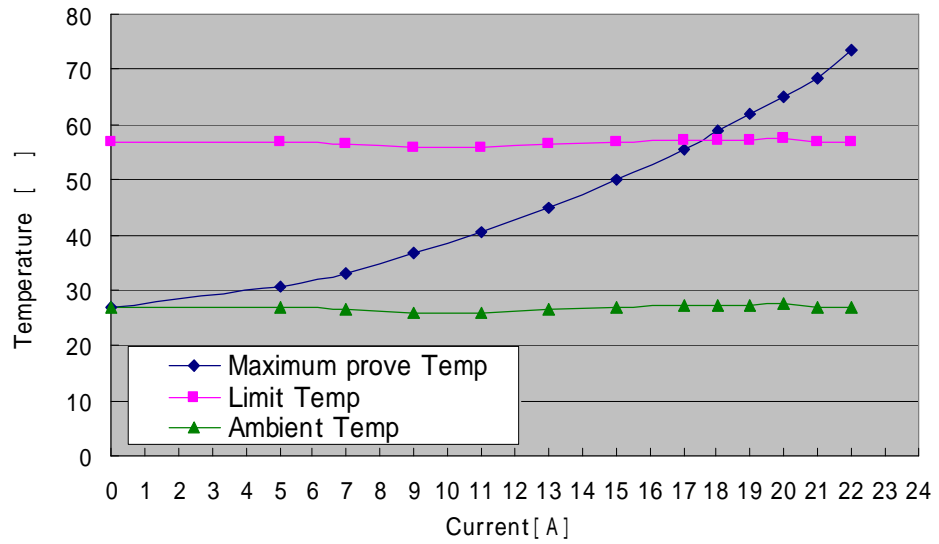


10 Signals & 1 Ground Shield current carrying capacity

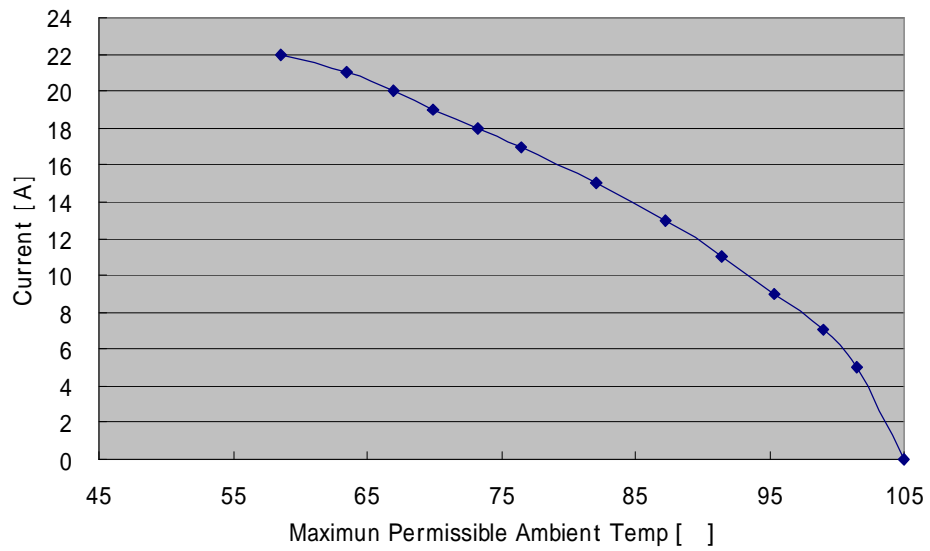


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

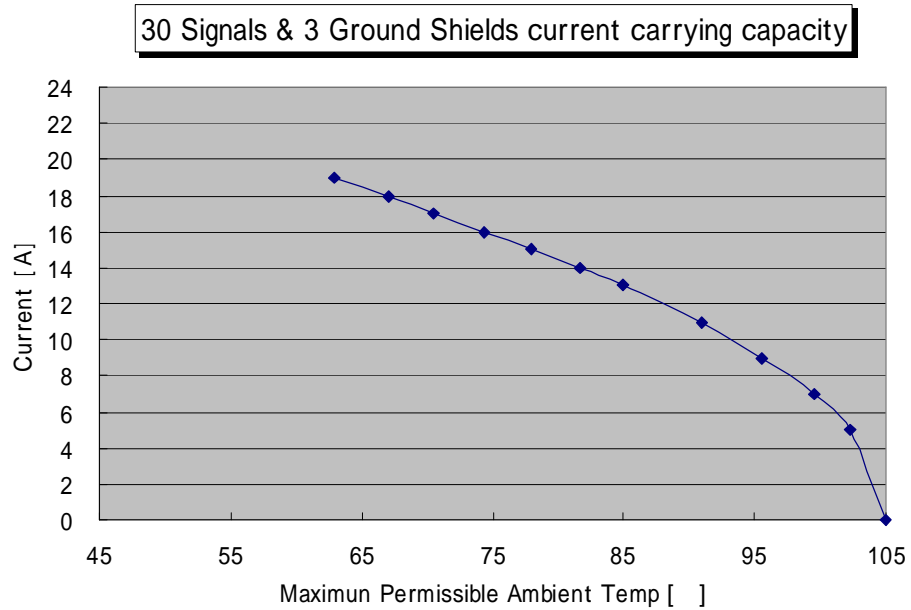
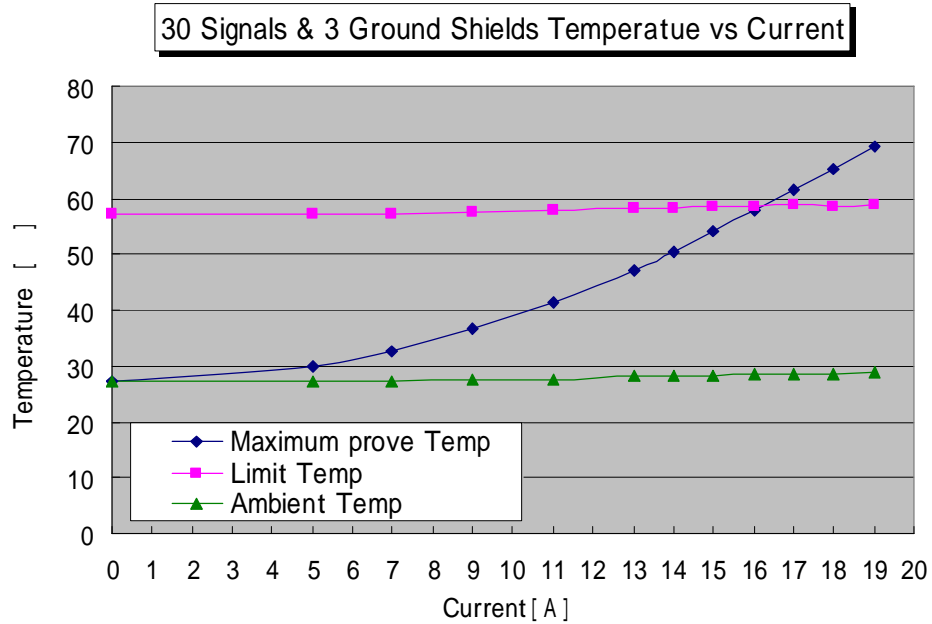
20 Signals & 2 Ground Shields Temperature vs Current



20 Signals & 2 Ground Shields current carrying capacity

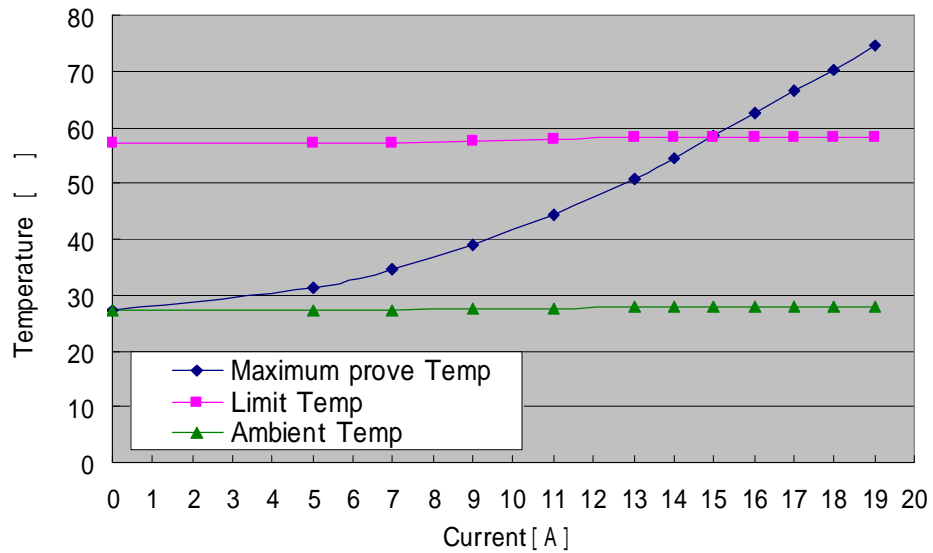


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

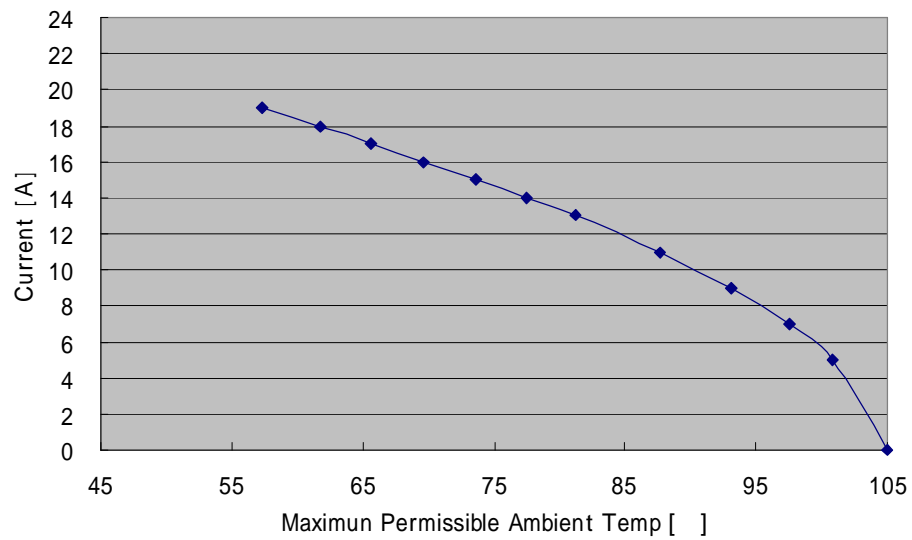


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

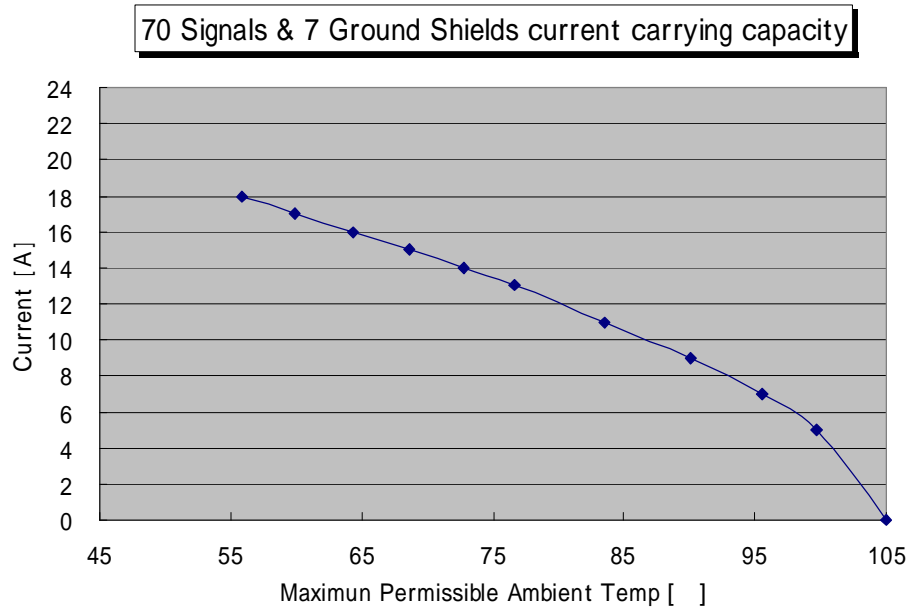
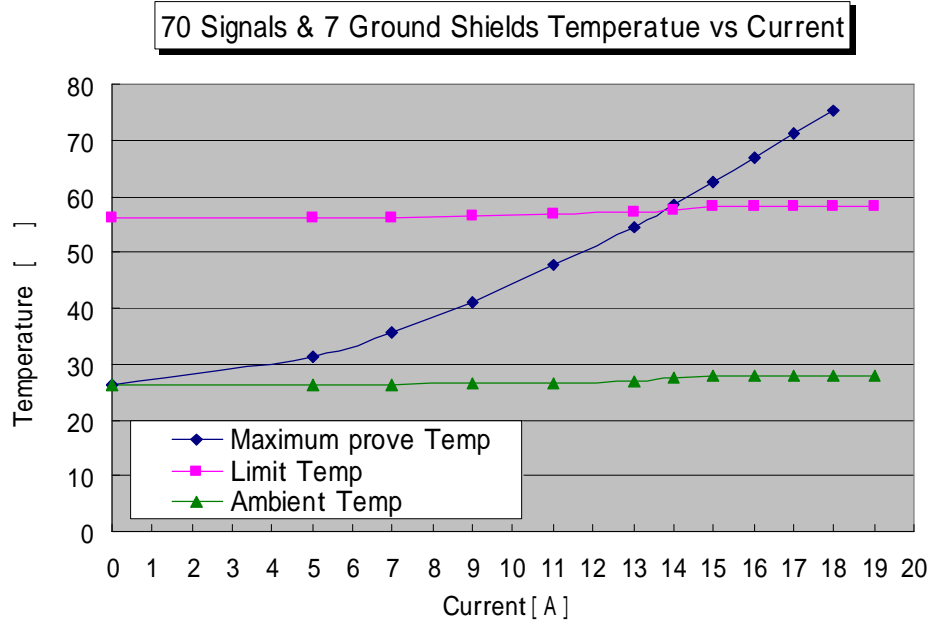
50 Signals & 5 Ground Shields Temperature vs Current



50 Signals & 5 Ground Shields current carrying capacity

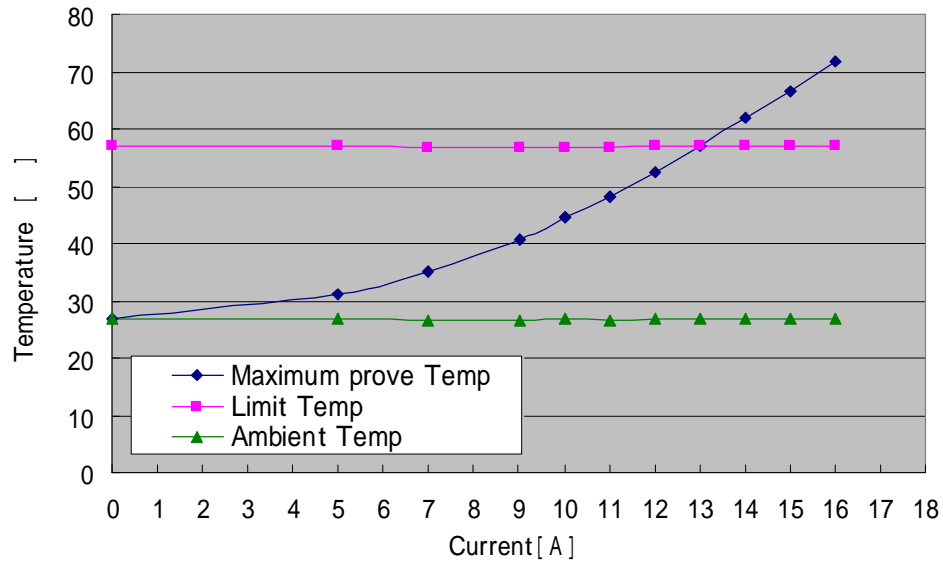


IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA



IT3M-300S-BGA / IT3-300P-32H / IT3D-300S-BGA

100 Signals & 10 Ground Shields Temperatue vs Current



100 Signals & 10 Ground Shields current carrying capacity

