

APPROVAL SHEET

To :

Customer P/N :

UDE P/N : RSH-ZZ-0001

Description : RJ45 1X2 Tab Up

T/H, Slim, Sink

10/100/1000 Base-T

Contact Area : 50u" min.Gold

LED:Without LED

Light Pipe



Spec No.
RSH16004-00

Update Date
2016/10/13

Revision
A

Approved	Checked	Prepared



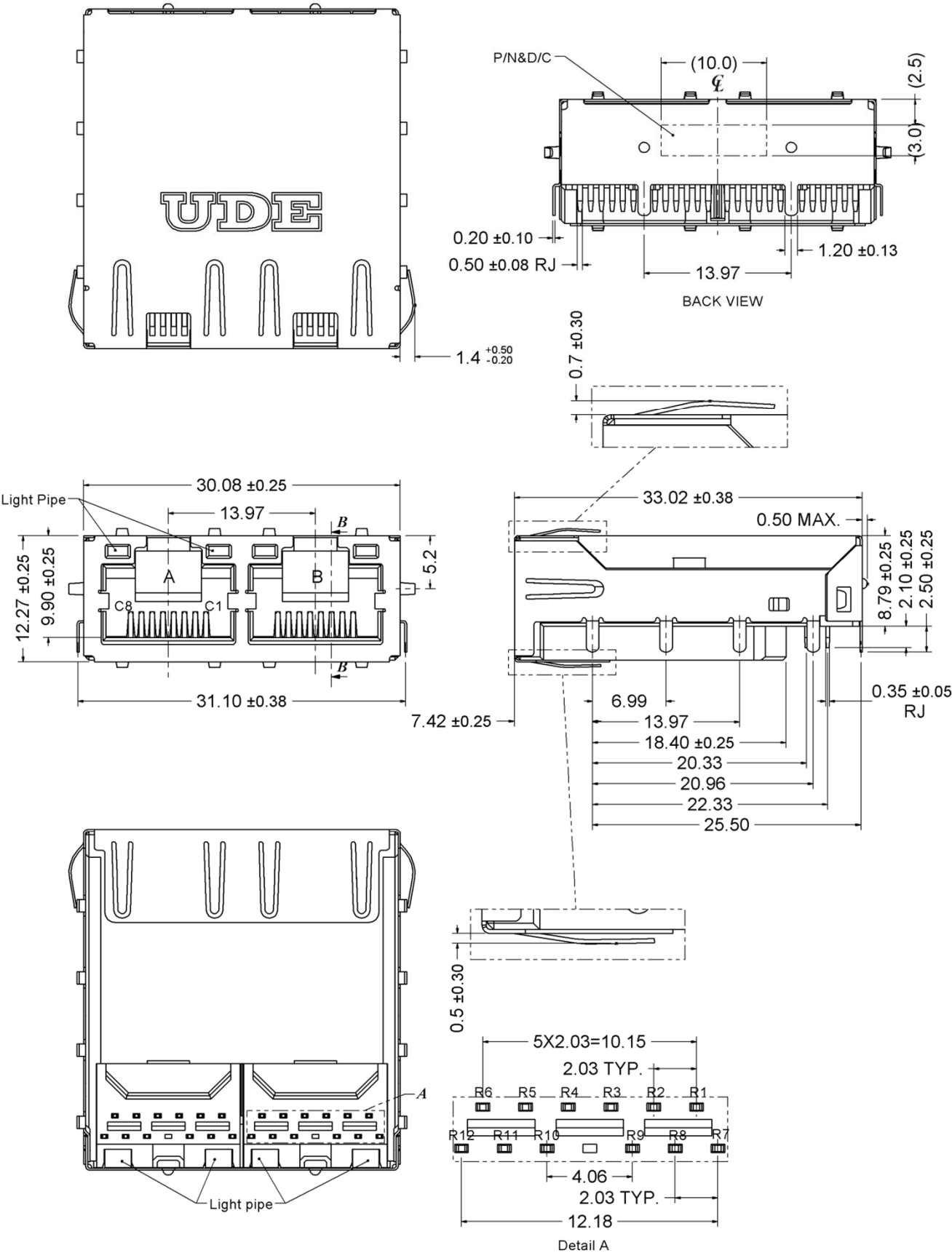
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1. MECHANICAL DIMENSION

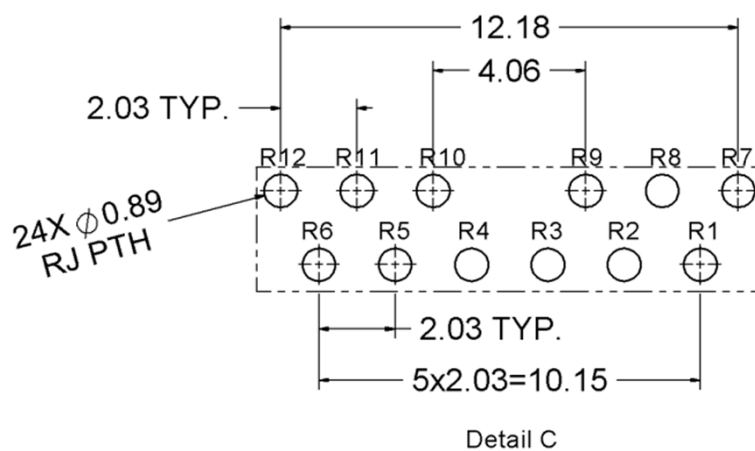
1.1 Product Dimension

General Tolerance :	X.X : ± 0.38
	X.XX : ± 0.20

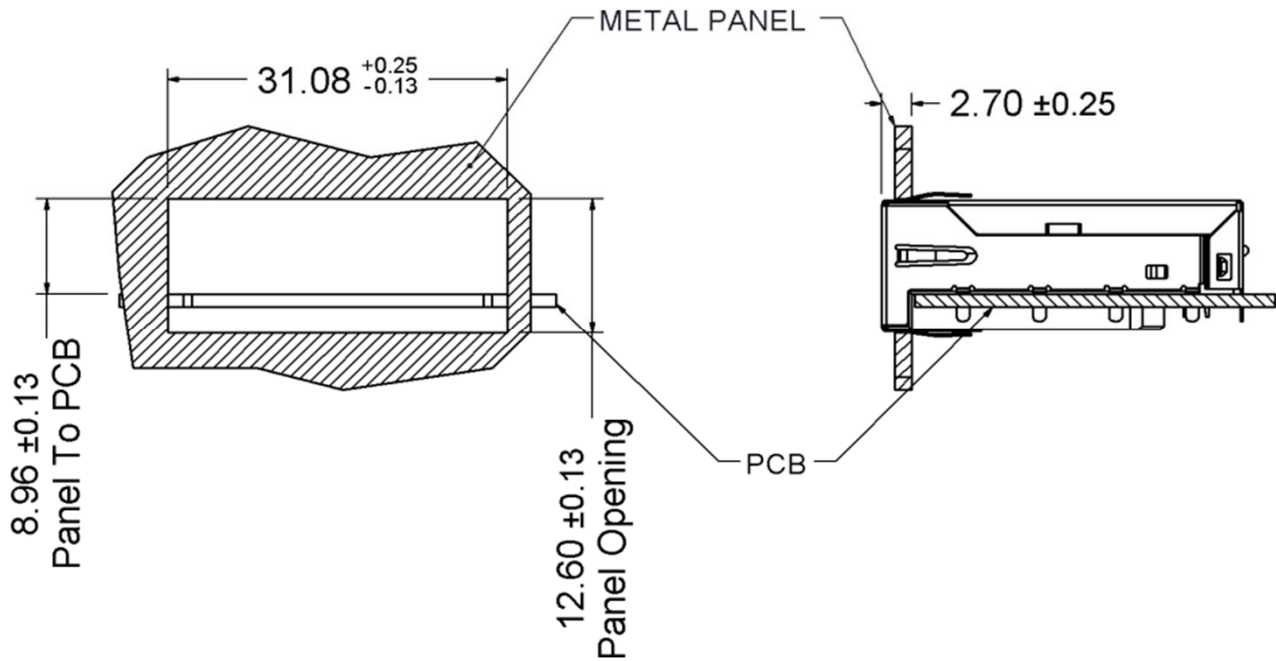


Component Side of Board

The designed gap between light pipe and pc board is 1.3mm
The SMD LED should be designed in the light pipe area



1.3 Recommended Panel cutout



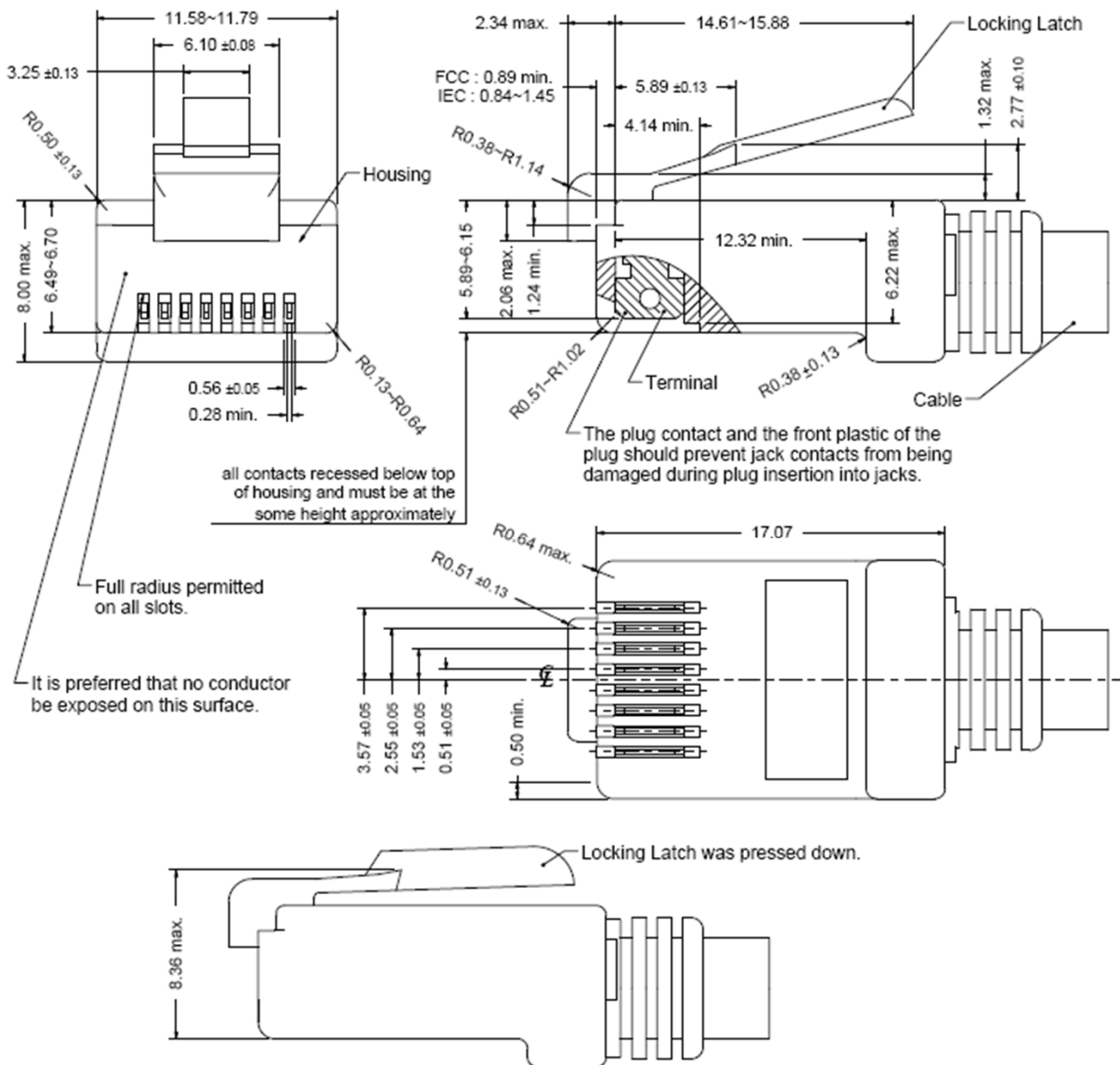
1.4 Packing Information

28 pcs finished goods per tray

7 trays(196 pcs finished goods) per inner box

4 Inner boxes(784 pcs finished goods) per master carton

1.4 Standard RJ45 Plug Specification



- All dimensions follow :

FCC subpart F, 68,500, Figure (C)(2)(i) & (C)(2)(ii) & (C)(3)(i)

IEC 60603-7

- All plugs must be meeting the requirements of plug Go & No-Go gauge.

Gauge follow : FCC subpart F, 68,500, Figure (C)(4)(i) & (C)(5)(i)

- There must be no damage to Housing and Locking Latch.

- There must be no nicks and cuts in cable.

- Durability : 750 cycles generally

2. REQUIREMENTS

2.1 Design and Construction

Product shall be of design, construction and physical dimensions specified on applicable.

2.2 Material

2.2.1 Terminal Parts (Underplating : 50μ" min. Nickel overall)

2.2.1.1 RJ Terminal : Phosphor Bronze, Thickness=0.30mm

Finish : Contact Area : 50μ"min. Gold

2.2.1.2 Input Terminal : Brass, Thickness=0.35mm

Finish : 100μ" min. Tin

2.2.1.3 Case Terminal : Brass, Thickness=0.30mm

Finish : 100μ" min. Tin

2.2.1.4 Link Terminal : Brass, Thickness=0.35mm

Finish : 100μ" min. Tin

2.2.1.5 Cap. Terminal : Phosphor Bronze, Thickness=0.35mm

Finish : 100μ" min. Tin

2.2.2 Plastic Parts <UL94V-0>

2.2.2.1 Housing : LCP, Black

2.2.2.2 Case : PA9T, Black

2.2.2.3 Light Pipe : PC,Transparent

2.2.3 Shield Parts :

2.2.3.1 Shell : Phosphor Bronze, Thickness=0.20mm

Finish : 30μ" min. Nickel overall

2.3 Operating and Storage Temperature

Operating Temperature : -0°C to +70°C

Storage Temperature : -40°C to +85°C

2.4 RJ45 specifications

Insulation Resistance 500MΩ min.

Insertion force with the latch depressed 22N max.

Removal force with the latch depressed 44N max.

Locking Force of Plug Latch : 50N min. @ 60+/-5 sec

Durability : 2500 cycles

2.5 Performance and Test Description

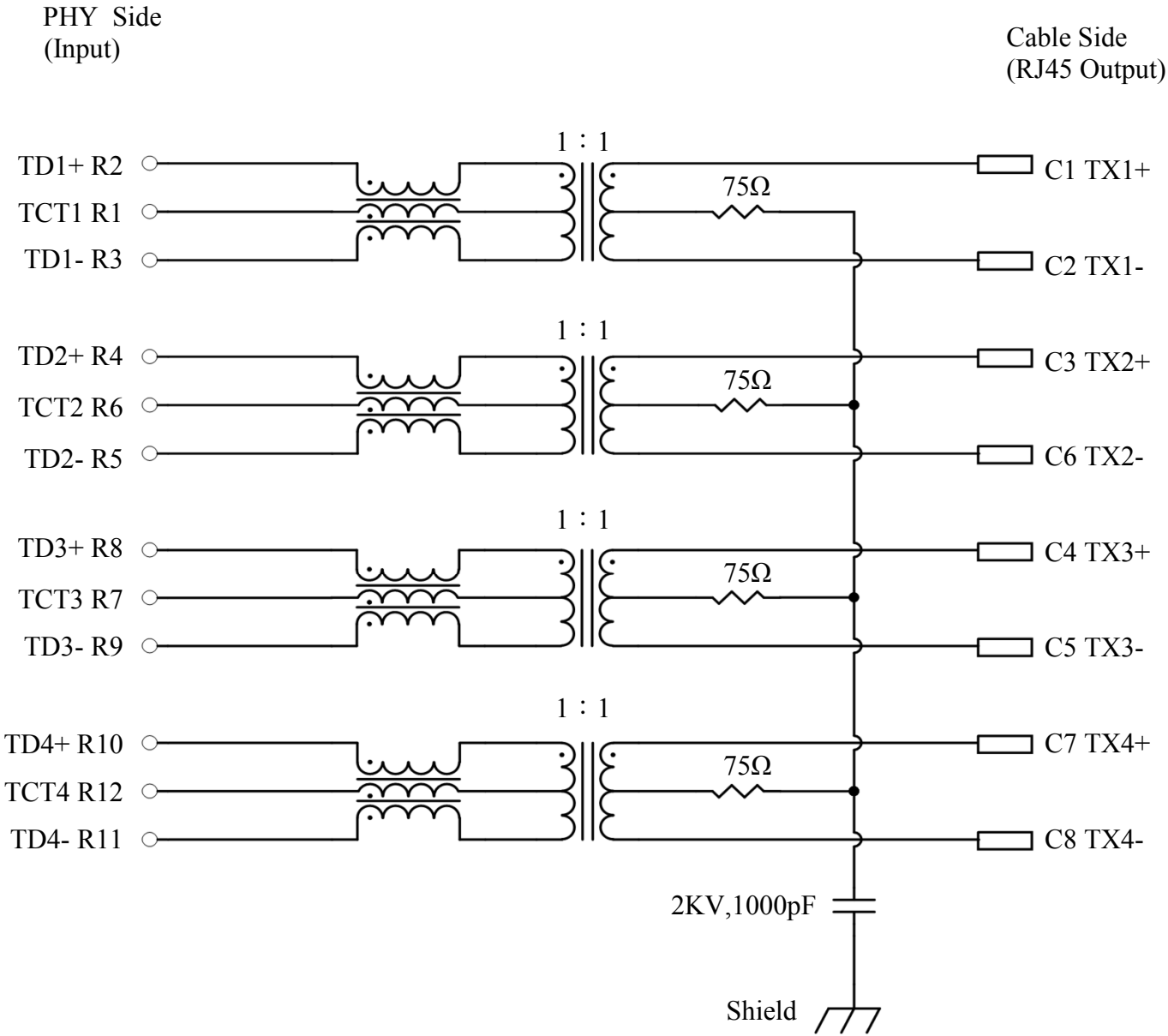
Product is designed to meet electrical, mechanical and environmental performance requirements specified in below table. All tests are performed at ambient environmental conditions per MIL-STD-1344A and EIA-364 unless otherwise specified.

2.6 Packaging and Packing

All parts shall be packaged and packed to protect against physical damage 、 corrosion and deterioration during shipment and storage.

3. ELECTRICAL CHARACTERISTICS @ 25°C

3.1 Schematic



3.2 Transmitter filter & Receiver filter

Type : Balance low pass 100Ω impedance

Insertion loss : 1~100 MHz -1.0dB max.

Return loss : 1~30 MHz -18dB min. load 100Ω

30~60MHz -16dB min. load 100Ω

60~80MHz -12dB min. load 100Ω

80~100MHz -10dB min. load 100Ω

3.3 Common Mode Rejection

@ 1~100 MHz -30dB min.

3.4 Cross Talk

@ 1~100 MHz -30dB min.

3.5 Inductance @ 100KHz, 0.1V, 8mA DC BIAS

Input(R2-R3), Input(R4-R5), Input(R8-R9), Input(R10-R11) : 350 μH min.

3.6 HiPot Test

Input(R2-R3) To Output(C1-C2) : 1500Vac 60s or 2250Vdc 60s

Input(R4-R5) To Output(C3-C6) : 1500Vac 60s or 2250Vdc 60s

Input(R8-R9) To Output(C4-C5) : 1500Vac 60s or 2250Vdc 60s

Input(R10-R11) To Output(C7-C8) : 1500Vac 60s or 2250Vdc 60s

4. DIPPING TEMPERATURE PROFILE

Note :

The measuring point for the specified temperature shall be on the soldered part of the lead.

