

SPECIFICATION FOR APPROVAL

承认书

CUSTOMER

客户:

CUSTOMER NO.

客户料号.:

SKY PART NO.

我司料号.:

SG48001PG

DESCRIPTION:

100/1000 BASE-Tx

ATTACHMENT:

■ SPECIFICATION

■ AMPLE Q'TY OF SAMPLES _____PCS

CUSTOMER APPROVAL

(客户承认章)

SKY APPROVAL

SKMAG 思科飞尔技术(深圳)有限公司

SALES BY
(业务员):

游晚舟

CHECKED BY
(工程审核):

APPROVAL BY
(批准):

陈晓娜

SKMAG 思科飞尔技术(深圳)有限公司

Siscofel Technology(Shen Zhen)Co.,Ltd.

Tel:0755-23203979 15602918199 Contact:Serena Chen

www.siscofer.com

1. FEATURES:

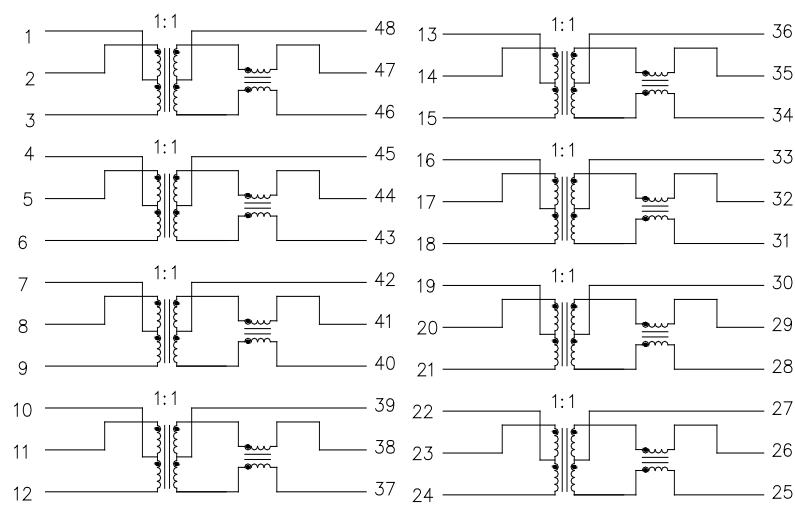
- 1.1 Compatible with various 10/100/1000 Base-TX for POE+ transceiver requiring 1:1 transmit and receive turns ratio
- 1.2 Compliant with IEEE 802.3 standard including baseline wander compensation specification of 350uH OCL when Biased at 8mA
- 1.3 Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process (260°C peak)
- 1.4 Single channel interface for 1000Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
- 1.5 Operating Temperature range:-40°C to +85°C

2.ELECTRICAL SPECIFICATIONS @25°C

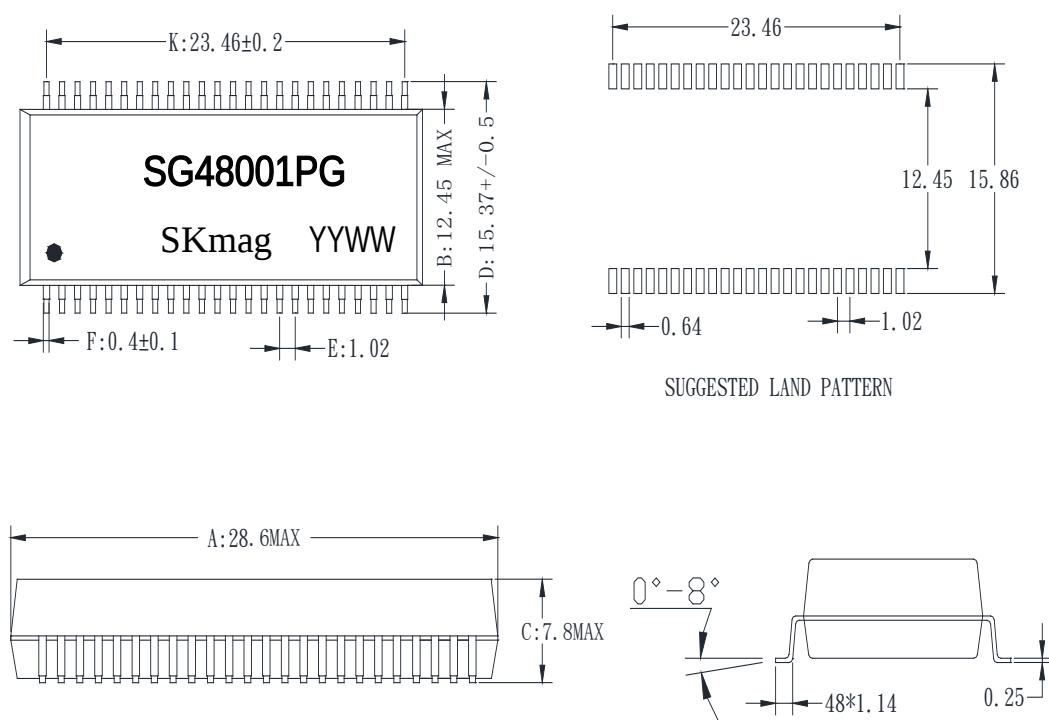
- 2.1 OCL : 350 uH Min. @ 100 KHz, 100mV with 8mA DC Bias
- 2.2 Leakage Inductance: 0.5 uH Max. @ 100KHz, 0.1V
- 2.3 Cw/w: 30pF Max. @ 100KHz, 0.1V
- 2.4 DCR: 1.0Ω Max.
- 2.5 Turns Ratio(±5%): 1CT:1CT(TX), 1CT:1CT(RX)
- 2.6 Insertion Loss: -1.1 dB Max. @ 1-100MHz
- 2.7 Return Loss: -16 dB Min. @ 1-30MHz
 - 12 dB Min. @ 60 MHz
 - 10 dB Min.@ 80 MHz
- 2.8Cross Talk: -42 dB Min.@ 1-30 MHz
 - 40 dB Min.@ 60 MHz
 - 38 dB Min.@ 80-100MHz
- 2.9 Common Mode Rejection : -42 dB Min.@ 1-30 MHz
 - 40 dB Min.@ 60 MHz
 - 35 dB Min.@ 80-100 MHz
- 2.10 Isolation HI-POT: 1500Vrms 1mA 1Second

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3. SCHEMATICS:



Dimensions:



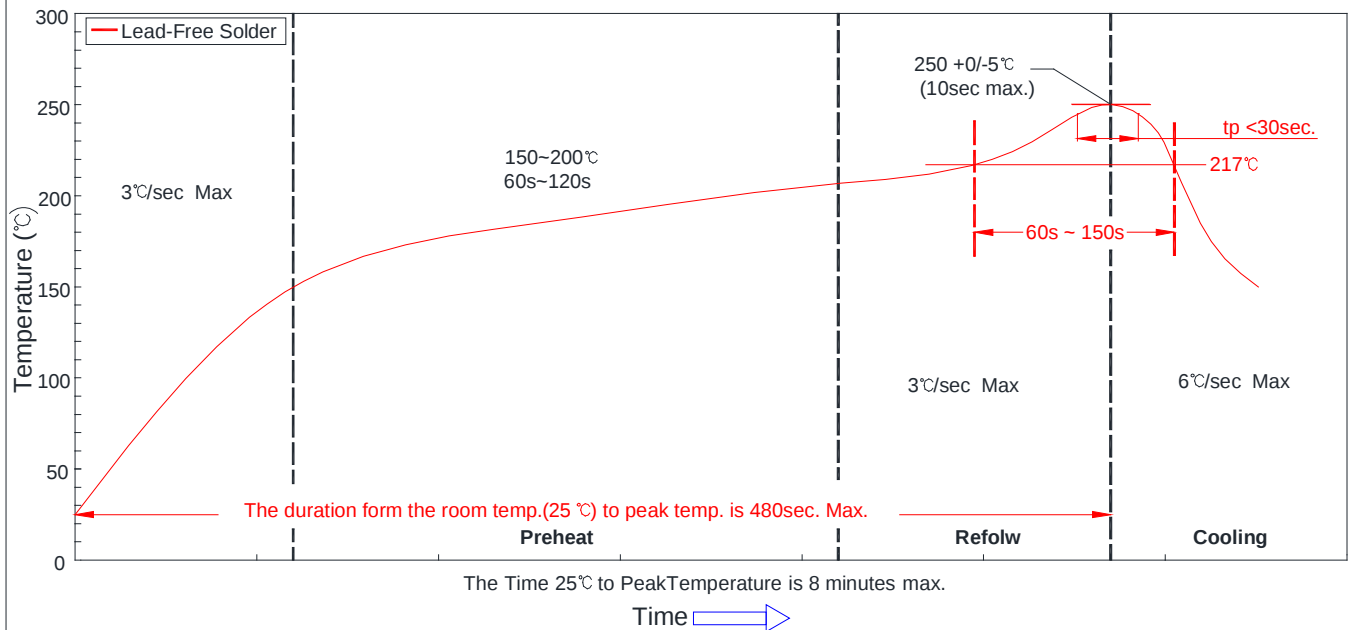
Dimensions:mm
Unless otherwise specified,all tolerances are± 0.25

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Advice Soldering Profile

Profile Feature	
Average Ramp-Up Rate (Ts max. to Tp)	3° C/second max.
Preheat -Temperature Min (Ts min.) -Temperature Max (Ts max.) -Time (ts min. to ts max.)	150 °C 200 °C 60-120 seconds
Time maintained above: -Temperature (TL) -Time (tL)	217 °C 60-150 seconds
Peak/Classification Temperature (Tp)	250°C
Time within 5 °C of actual Peak Temperature (tp)	10seconds max.
Ramp-Down Rate	6 °C/second max.
Time 25 °C to Peak Temperature	8 minutes max.

Test Solderability Temperature Profile



Packing Specification

<1> Part Number	SG48001PG	<2>Customer	
<3> Product Size		<4> Version	1.0

<5> Package Item:	1. Each Reel Qty	350	X	10 (Total Reel in Carton)	=	3500	PCS
	2.Total unit transformer in carton	3500	X	1 (Carton Qty)	=	3500	PCS

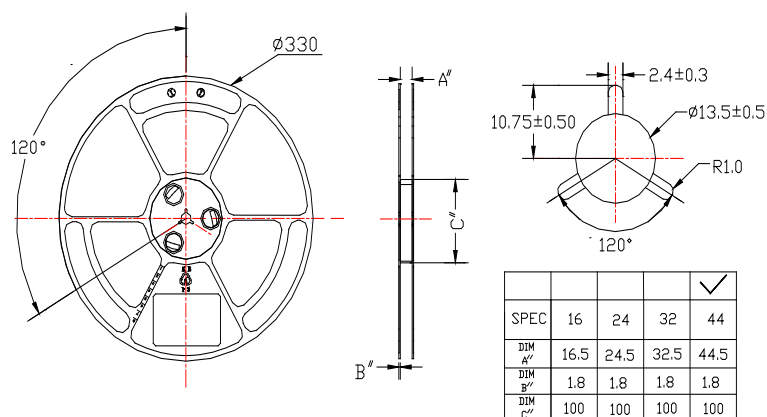
<6>Product weight

unit	2.7	g	N.W.	1.5	kg	G.W.	9.6	Kg
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<7> Remark:

1. PIN1 faces the apertures if apertures are only on one side. PIN1 faces the round aperture if the apertures are on both sides.
2. Leave 160mm-taping before starting taping; leave 390mm-taping after taping.
3. Wrap the protected-tape around the reel after taping.
4. Pack the reel with bag and seal it before putting into the carton.
5. Hard cardboard will be placed in each corner of the carton for protection.
6. Cartons will be sealed with tape.

<9> Reel Dimension



<10> Packing Illustration

