YCL

PG243001/243002

4 Channels Gigabit Transformers

Feature

- ♦ Designed to meet IR 235^{0}C Peak Requirement.
- ♦ Primary inductance 350µH min. with 8mA DC bias.
- ♦ Designed to meet IEEE802.3ab Requirement.

Specifications @25^{0}C

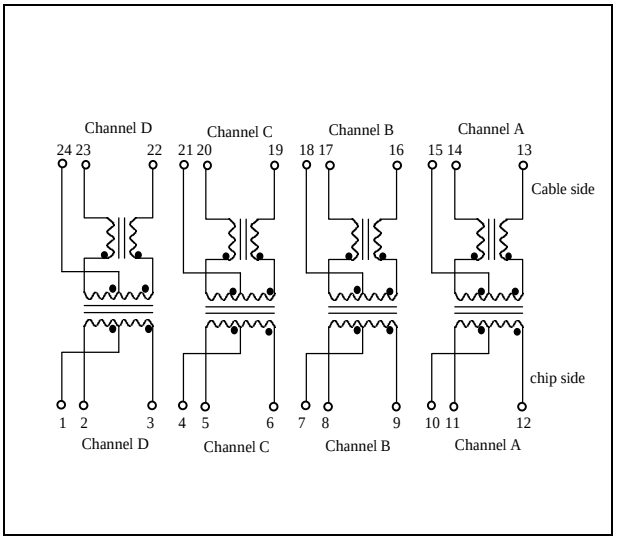
Parameter	Conditions	Min.	Typ	Max.	Unit
Turn ratio			1CT:1CT		
Lp (Note 1)	With 8mAdc	350			µH
Insertion loss	@1-100MHz			-1.0	dB
Return loss	@1-30MHz	16.0			dB
	@30-60MHz	Note 2			dB
	@60-80MHz	10			dB
Crosstalk	@30MHz		-40.0		dB
	@60MHz		-38.0		dB
	@100MHz		-33.0		dB
CDMRR	@0.1-32MHz		-42.0		dB
	@32-62MHz		-37.0		dB
	@62-100MHz		-33.0		dB
CCMRR	@0.1-100MHz		-30.0		dB
Voltage Isolation		1500			Vrms

Note 1: over operating temperature 0-70^{0}C

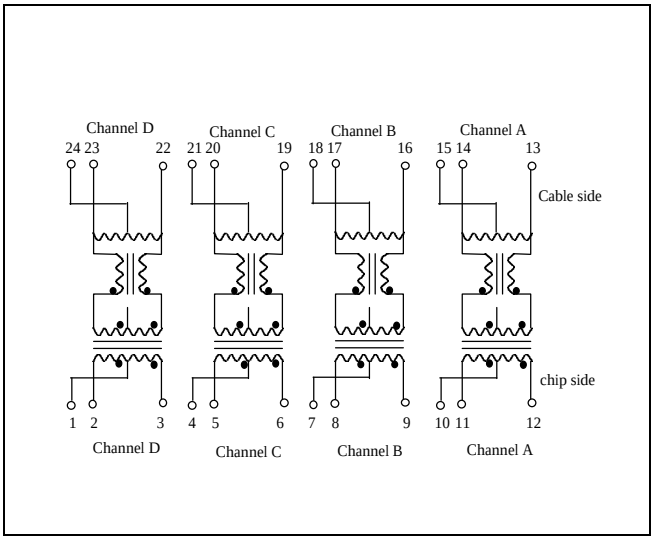
Note 2 : Greater than 16-20 log(f/30 MHz)dB

Schematic

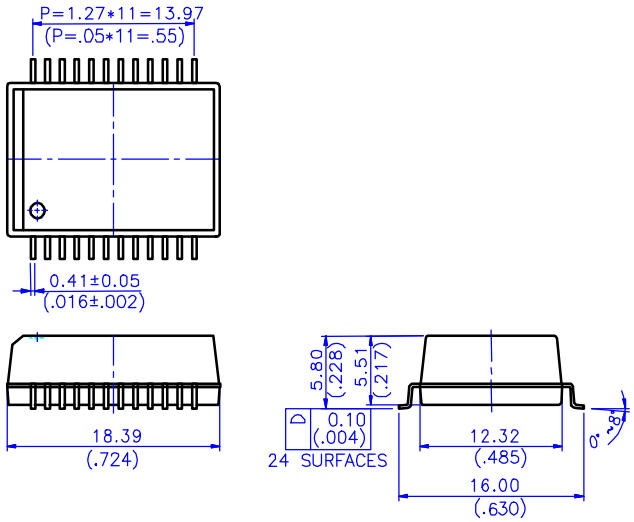
PG243001



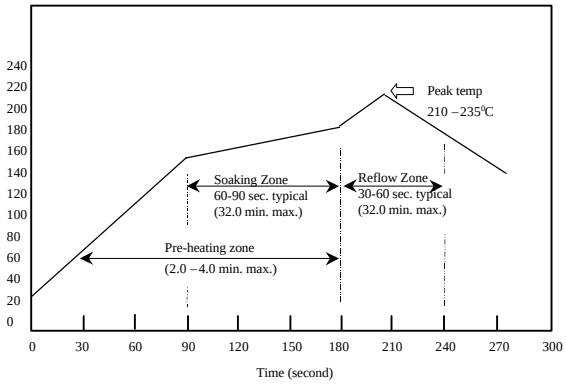
PG243002



Dimension

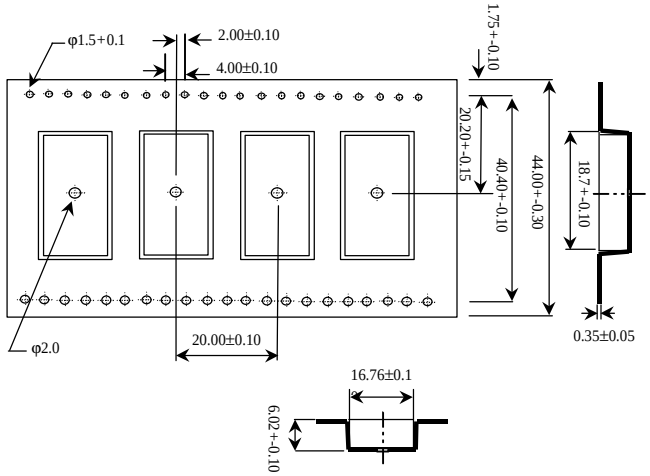


Reflow Soldering Profile



Unless otherwise specified , all tolerances are mm(inch)±0.25(0.010)

Tape & Reel Applications



Weight---------4.2 grams typ

Tape & Reel--400 PCS/reel

Tube ----------25 PCS/tube

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