

YCL

PG163xxx Series

FIBRE Channel Dual Transformers

Feature

- ◆ Designed for use with 75Ω Coaxial or 150Ω STP Cable.

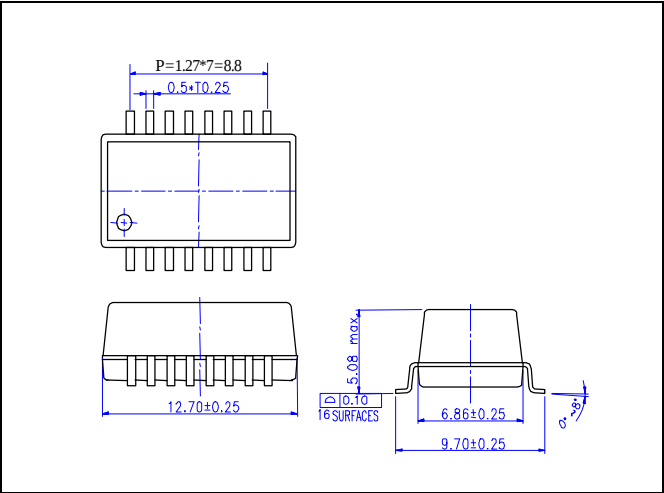
◆ Peak and Place compatible.
- ◆ Designed to meet IR 235°C Peak Requirement.

◆ Isolation Voltage : 2000Vrms

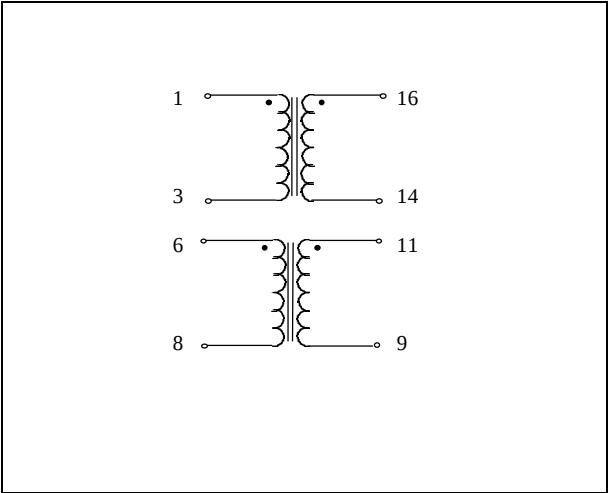
Specifications @25°C

Parameters	Condition	PG163001	PG163002	PG163003	PG163004
		Requirement	Requirement	Requirement	Requirement
Turn ratio	Pin(1-3) : (16-14) : (6-8) : (11-9)	1 : 1	1 : 1	1 : 1	1 : 1
Inductance	Pin(1-3) , (16-14) , (6-8) ,(11-9)	15μH min.	7.5μH min.	30μH min.	60μH min.
Leakage Inductance	Pin(1-3) , Pin(6-8)	0.10μH max	0.10μH max	0.10μH max	0.10μH max
Interwinding capacitance	Pin(1-3) to (16-14)--	5.0pF max.	5.0pF max.	5.0pF max.	5.5pF max.
Isolation	Pin(1-3) to (16-14)--	2000Vrms	2000Vrms	2000Vrms	2000Vrms
DCR	Pin(1-3) , (16-14) , (6-8) ,(11-9)	0.2 Ω max.	0.2 Ω max.	0.2 Ω max.	0.2 Ω max.
Baud Rate	Coax cable(75Ω)	266 MHz	531MHz	133MHz	
	STP cable(150Ω)			266MHz	133MHz

Dimension



Schematic



Description

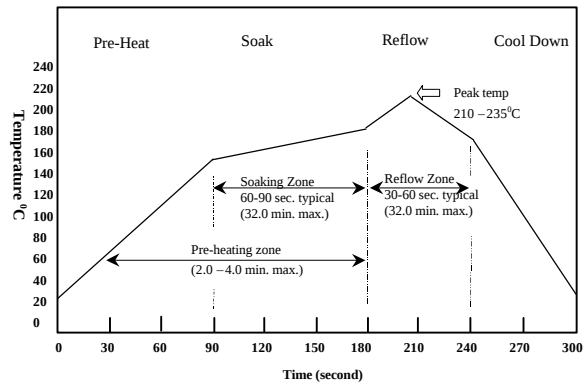
The PG163xxx are magnetic module that have been specifically designed to implement the analog interface to fiber channel data transmission .

These module provide protection against static charge that may occur on the cable.

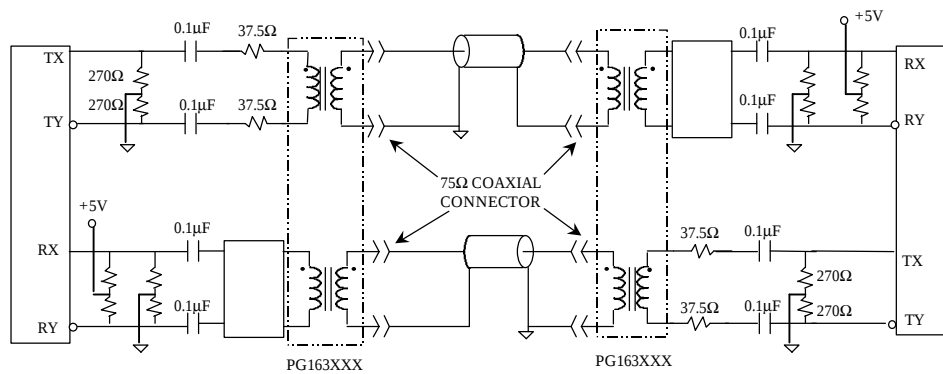
It also provide wide bandwidth , fast rise time and adequate inductance to minimize the data jitter meanwhile reducing the unwanted radiated and conducted emission.

Transformer have been specifically built in robust SMD package ensuring superior performance and reliable quality over telecom industrial IR Reflow environment.

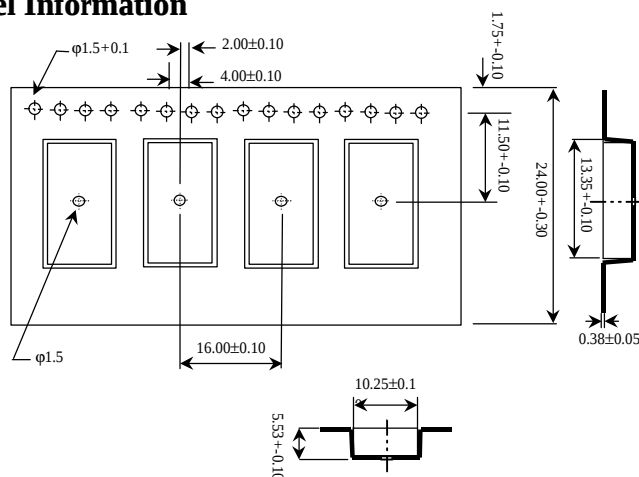
Reflow Soldering Profile



Typical Application



Tape & Reel Information



Weight 0.8 grams typ
Tape & Reel ... 750/reel
Tube39/tube