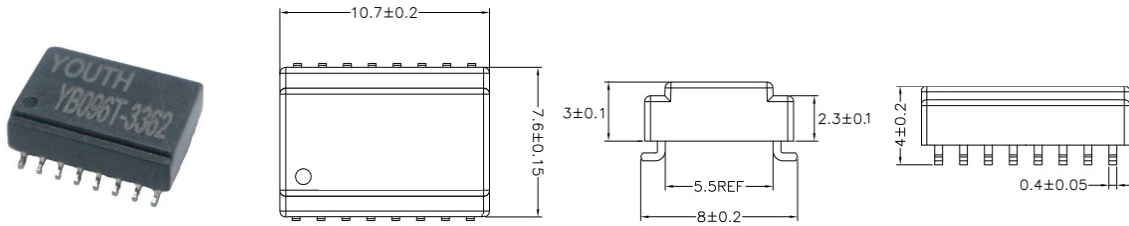


G.hn Balun Transformers –YB096T

EXTERNAL DIMENSIONS

(Unit: mm)



Part Number	Winding Turns	Operating Frequency Range	Insertion Loss
G.hn Wavw 2 Power Line Adapter YB096T-2633T	1.5 : 1.5 : 3 : 1	2MHz~100MHz	2.0 dB Max.

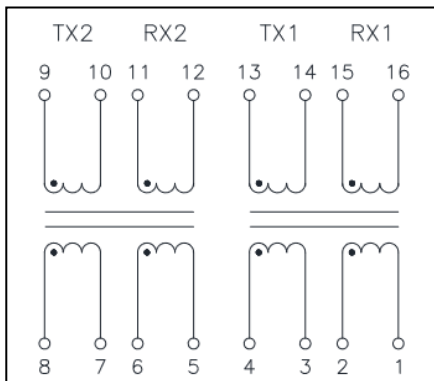
Features

- Windings use paired wires for high uniformity.
- Base pins are end processed to allow direct mounting on PCB.

Applications

- For Marvell reference design DW920 G.hn wave2 Power line adapter
- For Marvell AFE chip 88LX2720

Schematic



Turns Ratio Pin (1-2):(3-4):(13-14):(15-16) Pin (5-6):(7-8):(9-10):(11-12)	: 1.5 : 1.5 : 3 : 1±5%
Inductance: Pin (1-2),(3-4),(5-6),(7-8)	: 28.8uH±30% @100KHz/0.1V
Pin (11-12),(15-15)	: 115.2uH±30% @100KHz/0.1V
Pin (9-10),(13-14)	: 12.8uH±30% @100KHz/0.1V
Leakage Inductance Pin(1-4),(5-8)	: 0.35uH Max. @100KHz/0.1V
DC Resistance Pin(1-2),(3-4),(5-6),(7-8)	: 160mΩ Max.
Pin(16-15),(12-11)	: 240mΩ Max.
Pin(14-13),(10-9)	: 60mΩ Max.
Hi-Pot	: 1500VAC/1mA/2S
Operation Temperature	: -40°C ~ + 125°C

SMT