PoE Signal Path Transformer WA8704-ALD

- Designed to meet upcoming IEEE802.3bt high power PoE standard
- Designed for 150 W 4-pair signal path with 1.5 A on each center tap*
- Exceeds return loss requirements of Gbit Ethernet
- 1500 Vrms, one minute isolation (hipot) winding to winding

Core material: Ferrite
Terminations: RoHS compliant tin-silver-copper over tin over nickel over phosph bronze
Weight: 3.6 g
Ambient temperature: –40°C to +85°C
Storage temperature: Component: –40°C to +85°C.
  Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat: Max three 40 second reflows at
  +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL): 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging: 250/13” reel; Plastic tape: 32.4 mm wide, 0.5 mm thick, 24 mm pocket spacing, 10.6 mm pocket depth
PCR washing: Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

*1.5 A DC current applied to each cable side center tap causes a 15°C rise from 25°C ambient. This is for reference only and does not represent absolute maximum ratings.
“PoE Plus” Magnetics – WA8704-AL

Insertion Loss

Return Loss

Differential to Common Mode Rejection

Crosstalk

L vs Offset Current