



## VDSL Miniature SMD Transformer

### Features

- Complies with requirements of IEC60950, EN60950, UL60950/CSA60950 and AS/NZS60950
- Low profile, light weight SMD packages for pick and place compatibility while providing consistent and reliable coplanarity
- Excellent quality at extremely competitive price due to high volume production
- Manufactured in an ISO-9001:2000, TS-6949:2002 and ISO-14001:2004 certified Talema facility
- Fully RoHS compliant and meets lead free reflow level J-STD-020C



### Electrical Specifications

Ratings @ 25°C ambient

Minimum Isolation Voltage: 1500Vrms for 1 minute

Operating Temperature Range: -40° to +85°C

Storage Temperature: -25°C to +125°C

Supplementary insulation for a primary circuit at 250Vrms working voltage

Inductance & Leakage measured at 100kHz, 10mV<sub>C</sub>

Standard Packaging: Tape & Reel

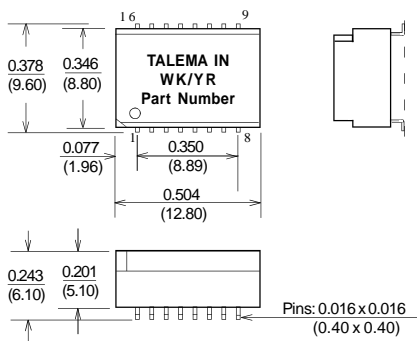
Weight: 2.5 g

### VDSL Transformer

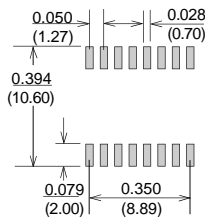
Part Number	OCL (µH Min.)	Pins	Turns ratio ±2%	DCR (mOhms) Max.	Line Impedance	Leakage Inductance	V <sub>P</sub> (Vrms)
82312	95µH 430µH 125µH 95µH	16-14 11-9 3-1 6-8	(16-14):(1-3):(15-13) = 9:10:10 (11-9):(6-8):(10-12) = 19:9:9	350	100 ohms	0.2µH max., 16-14 (s.c.15+1, 3+13) 0.8µH max., 11-9 (s.c.12+8, 6+10)	1500

### Dimensions & Schematics

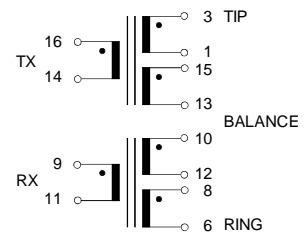
#### Package



#### Suggested Pad Layout



#### Schematic



Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise

Surface coplanarity 0.004 (0.10) maximum

## Sales & Marketing, Design and Manufacturing Facilities

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