



## TAM Series • AUI Ethernet Isolation Transformers

### Features

- Meets requirements of IEEE 802.3
- Supports 10Base2, 10Base5 & 10Base-T
- low profile, light weight SMD packages for high density board placement
- designed 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-16949:2002 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: 2000Vrms

Operating Temperature Range: -10° to +85°C

Storage Temperature: -40°C to +125°C

**Test Conditions:** Inductance, Coupling Capacitance and Leakage Inductance measured @ 100kHz, 20mVrms

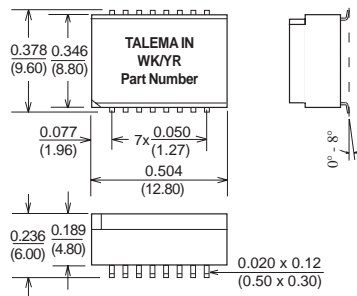
Standard Packaging: Tape & Reel

### TAM Series - SMD AUI Isolation Transformers

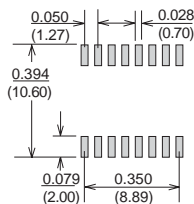
Part Number	OCL (µH ±20%)	Turns ratio ±5%	L <sub>L</sub> Pri/Sec (µH Max)	C <sub>WW</sub> Pri/Sec (pF Max)	Primary ET-Constant (V-µS Min)	Rise Time (ns Max)	R <sub>CU</sub> P (mOhms)	R <sub>CU</sub> S (mOhms)	V <sub>P</sub> (Vrms)	Schematic
TAM-40A-J	40 Min.	1 : 1	0.20	8	2.1	3.0	250	250	1500	A
TAM-75A-J	75	1 : 1	0.20	8	1.8	3.0	250	250	1500	A
TAM-100A-J	100	1 : 1	0.20	9	1.8	3.0	250	250	1500	A
TAM-150A-J	150	1 : 1	0.20	12	1.2	3.0	300	300	1500	A
TAM-350A-J	350	1 : 1	0.30	16	2.6	3.5	350	350	1500	A

### Dimensions & Schematics

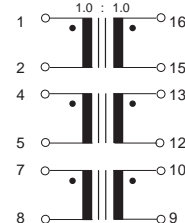
#### Package



#### Suggested Pad Layout



#### A



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