



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

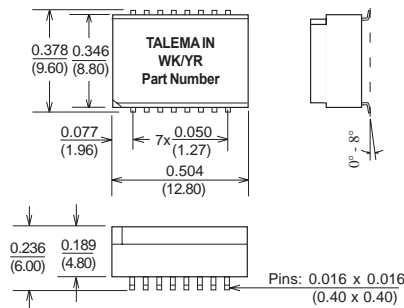
Standard Packaging: Tape & Reel

TAM Series - SMD AUI Isolation Transformers

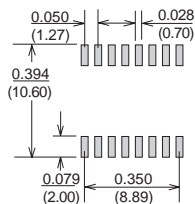
Part Number	OCL (µH ±20%)	Turns ratio ±5%	L _L Pri/Sec (µH Max)	C _{WW} Pri/Sec (pF Max)	Primary ET-Constant (V-µS Min)	Rise Time (ns Max)	R _{CU} P (mOhms)	R _{CU} S (mOhms)	V _P (Vrms)	Schematic
TAM-40A-J	40 Min.	1 : 1	0.20	8	2.1	3.0	250	250	1500	A
TAM-75A-J	75	1 : 1	0.20	8	1.8	3.0	250	250	1500	A
TAM-100A-J	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

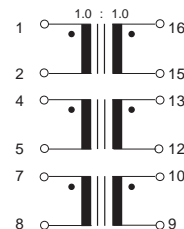
Package



Suggested Pad Layout



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Sales & Marketing, Design and Manufacturing Facilities

<http://www.talema-nuvotem.com>

Eastern Europe & Czech Republic

NTMAGNETICS s.r.o.
Chebská 27
322 00 Plzeň
Tel: Int. + 420 377 - 338 351
Fax: Int. + 420 377 - 338 350
Email: talema@talema.cz
Web Site: www.ntmagnetics.cz

Germany

TALEMA ELEKTRONIK GMBH
Sembdnerstr. 5, Postfach 2523
82110 Germering
Tel: Int. + 49 89 - 841 00 - 0
Fax: Int. + 49 89 - 841 00 25
Email: info@talema.de

Ireland

NUVOTEMTEO.
Crolly
Co. Donegal
Tel: Int. + 353 74 - 954 8666
Fax: Int. + 353 74 - 954 8139
Email: info@nuvotem.com

India

TALEMA ELECTRONIC PVT. LTD.
Opposite the SIDCO Industrial Estate
Gins Towers
4/5S.H/1, Omalur Main Road
Salem - 636 004, Tamil Nadu
Tel: Int. + 91 427 - 244 1325
Fax: Int. + 91 427 - 243 0034
E-mail: talema@talemaindia.com
Web Site: www.talemaindia.com

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(10-07) Communications \ Networks \ TAM Series