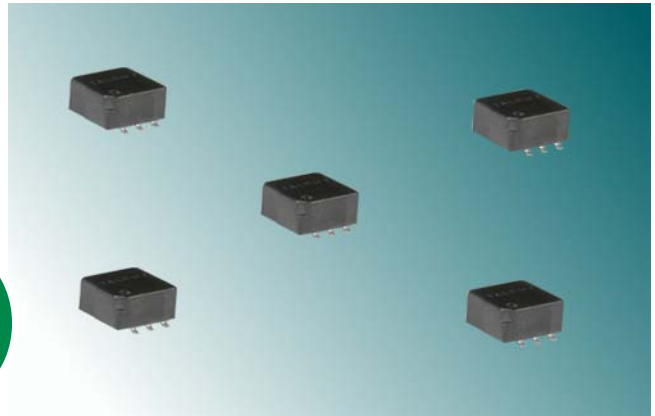




MJE Series • T1/E1/CEPT/ISDN-PRI SMD Transformers

Features

- low cost SMD for pick and place compatability while providing consistent and reliable coplanarity
- low leakage inductance
- 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: 1500 Vrms

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

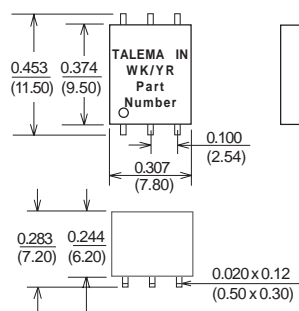
Electrical Specifications @ 25°C

MJE Series • T1/E1/CEPT/ISDN-PRI SMD Transformers

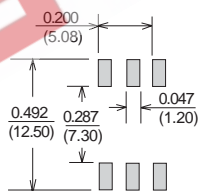
Extended Operating Temperature Range -40°C to +85°C

Part Number	OCL Primary (mH Min)	Turns Ratio Pri/Sec ±2%	C _{ww} Pri/Sec (pF Max)	L _L (µH Max)	DCR (Ohms)			Primary Pins	Schematic
					Pri.	Sec.	V _p (Vrms)		
MJE-10A	1.2	1ct:1.36ct	30	0.200	0.80	1.10	1500	1-3	A
MJE-12B	1.2	1:1/1.26	35	0.250	0.80	1.00	1500	1-3	B
MJE-20A	1.2	1ct:1ct	35	0.200	0.90	0.90	1500	1-3	A

MJE



Suggested Pad Layout



Schematic



Surface coplanarity will be 0.004 (0.01) maximum

Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise

Sales & Marketing, Design and Manufacturing Facilities

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

Eastern Europe & Czech Republic

NT MAGNETICS 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

TALEMAELEKTRONIK 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

NUVOTEM TEO.
 Crollly
 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