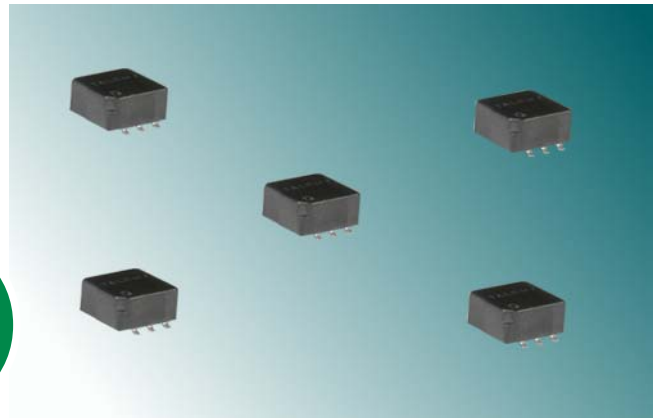




## MJE Series • T1/E1/CEPT/ISDN-PRI SMD Transformers

### Features

- low cost SMD for pick and place compatibility 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

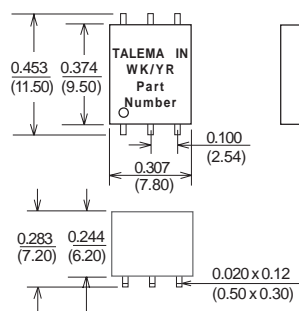
### Electrical Specifications @ 25°C

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

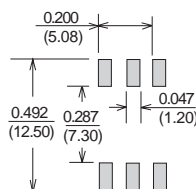
Extended Operating Temperature Range -40°C to +85°C

Part Number	OCL Primary (mH Min)	Turns Ratio Pri/Sec ±2%	C <sub>WW</sub> Pri/Sec (pF Max)	L <sub>L</sub> (µH Max)	DCR (Ohms)		V <sub>P</sub> (Vrms)	Primary Pins	Schematic
					Pri.	Sec.			
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

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

### India

TALEMAELECTRONIC 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