



TDJ Series • General Purpose Transformers

Features

- SMD packages are designed for pick and place compatability and provide 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

Dielectric strength between windings: 500 Vrms

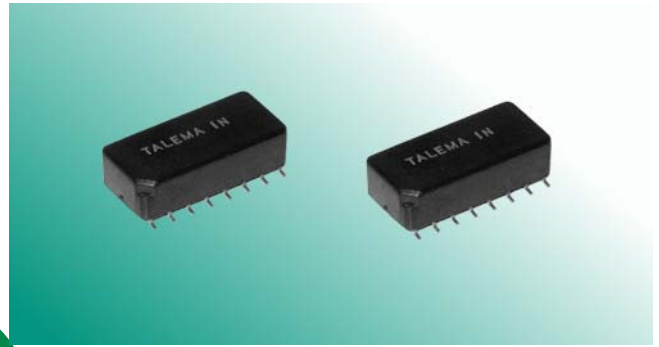
Power Rating: 250mW

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

Storage Temperature: -25°C to +125°C

Insulation Resistance: 10,000 MOhm minimum

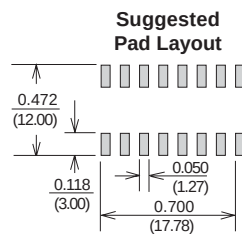
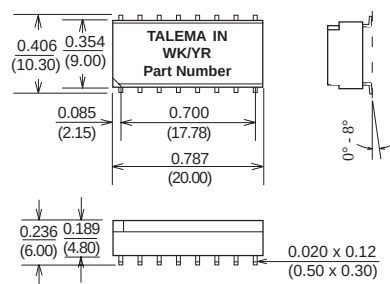
Test Frequency: Inductance measured @ 100kHz/20mVrms



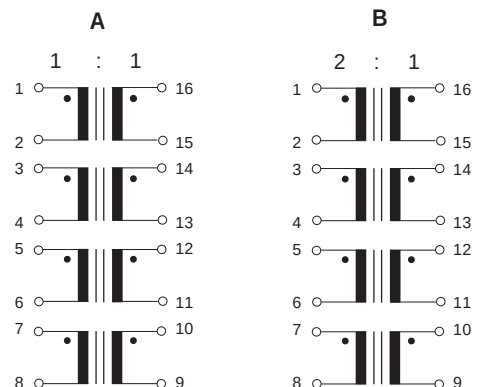
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Part Number	OCL ($\mu\text{H} \pm 30\%$)	Turns Ratio $\pm 2\%$	L_L Pri/Sec (μH Max)	C_C Pri/Sec (pF Max)	Primary ET (V- μS Min)	R_{CuP} (mOhms)	R_{CuS} (mOhms)	Schematic
TDJ-30-16A	30	1:1	0.35	8	1.5	110	110	A
TDJ-50-16A	50	1:1	0.40	9	2.5	150	150	A
TDJ-100-16A	100	1:1	0.35	10	2.1	150	150	A
TDJ-200-16A	200	1:1	0.45	15	3.0	210	210	A
TDJ-500-16A	500	1:1	0.60	25	4.3	330	330	A
TDJ-30-16B	30	2:1	0.60	5	1.5	170	85	B
TDJ-50-16B	50	2:1	0.70	6	2.5	220	110	B
TDJ-100-16B	100	2:1	0.60	7	2.1	220	110	B
TDJ-200-16B	200	2:1	0.80	10	3.1	310	165	B
TDJ-500-16B	500	2:1	1.00	13	4.3	500	250	B

TDJ



Schematic



Dimensions: Inches (Millimeters)

Tolerance: ± 0.010 (0.25) unless specified otherwise

Surface coplanarity will be 0.004 (0.01) maximum