



## TDJ Series • General Purpose Transformers

### Features

- SMD packages are designed for pick and place compatibility 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

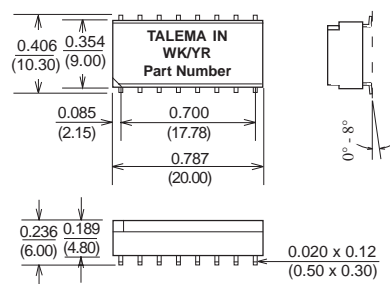
Ratings@ 25°C ambient  
 Dielectric strength between windings: 500 Vrms  
 Power Rating: 250mW  
 Operating Temperature Range: -10° to +85°C  
 Storage Temperature: -25°C to +125°C  
 Insulation Resistance: 10,000 MOhm minimum  
 Test Frequency: Inductance measured @ 100kHz/20mVrms



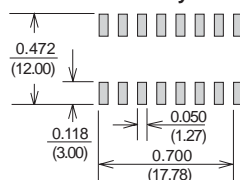
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Part Number	OCL ( $\mu\text{H} \pm 30\%$ )	Turns Ratio $\pm 2\%$	$L_L$ Pri/Sec ( $\mu\text{H} \text{ Max}$ )	$C_C$ Pri/Sec (pF Max)	Primary ET (V- $\mu\text{S}$ Min)	$R_{CuP}$ (mOhms)	$R_{CuS}$ (mOhms)	Schematic
TDJ-30-16A	30	1:1	0.35	8	1.5	110	110	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



### Suggested Pad Layout



### Schematic

