



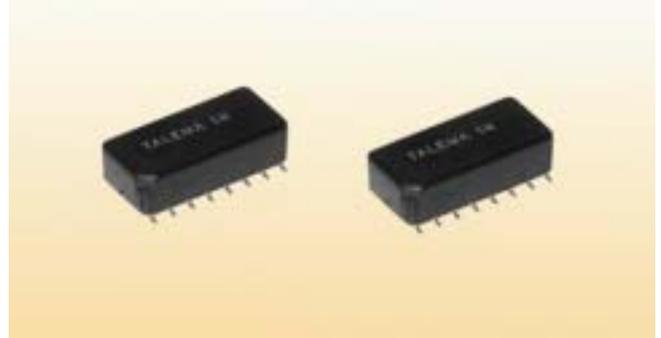
## TDJ Series • General Purpose Transformers

### 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
- special footprints and designs available upon request
- manufactured in ISO-9001 approved Talema facility

### Electrical Specifications

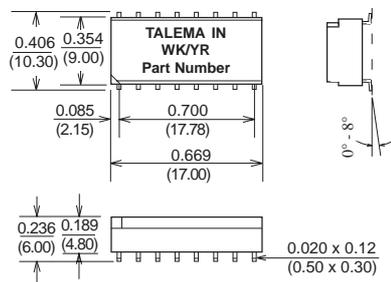
Ratings @ 25°C ambient  
 Dielectric strength between windings: 500 Vrms  
 Power Rating: 250mW  
 Operating Temperature Range: 0 to +70°C  
 Storage Temperature: -25°C to +105°C  
 Insulation Resistance: 10,000 MOhm minimum  
 Test Frequency: Inductance measured @ 100kHz/20mVrms



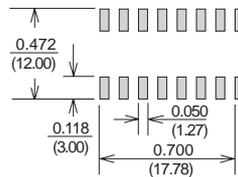
## TD Series • Chip Style SMD General Purpose Transformers

Part Number	OCL ( $\mu\text{H} \pm 30\%$ )	Turns Ratio $\pm 2\%$	$L_L$ Pri/Sec ( $\mu\text{H Max}$ )	$C_C$ 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

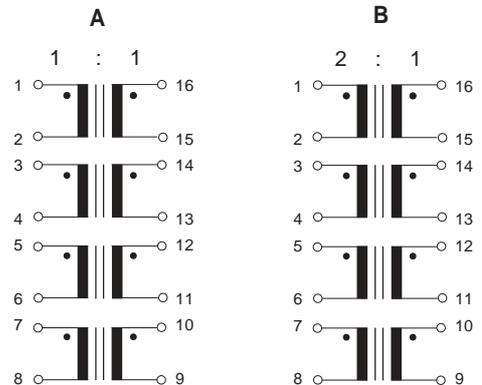
### TDJ



### Suggested Pad Layout



### Schematic



Dimensions: Inches (Millimeters)  
 Tolerance:  $\pm 0.010$  (0.25) unless specified otherwise  
 Surface coplanarity will be 0.004 (0.01) maximum