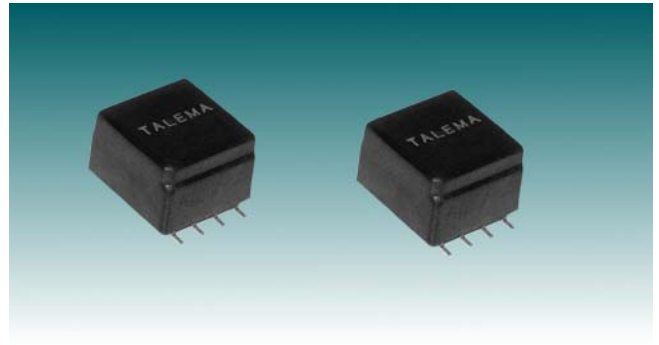




## E1/T1/PRI/CEPT Single Interface Transformers

### Features

- SMD package for high density board placement
- consistent and reliable coplanarity
- controlled parameters ensure full compliance with ITU-T G.703 when matched with recommended IC
- ideal for all 1.544 and 2.048 Mbs interface applications
- manufactured in an ISO-9001:2000, TS-16949:2002 and ISO-14001:2004 certified Talema facility
- 1500Vrms minimum isolation voltage
- operating temperature: -40° to 85°
- fully RoHS compliant and meets lead free level J-STD-020C



### Electrical Specifications @ 25°C

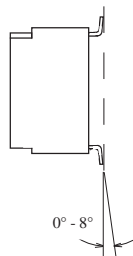
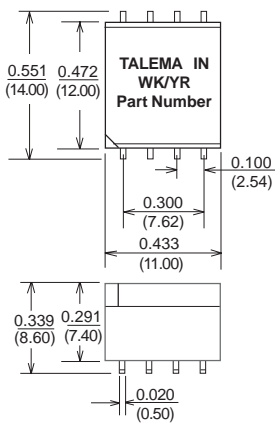
#### S<sub>2M</sub> Interface Transformers

Part Number	Turns Ratio ±2%	OCL (mH Min.) W2	L <sub>L</sub> (µH Max.)	DCR (Ohms Max.) W1	DCR (Ohms Max.) W2	V <sub>P</sub> (Vrms)
19794	1 : 1.414	4,0	1,0	0.4	0.5	1500

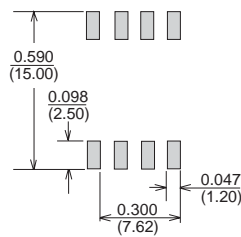
### Test Conditions:

Inductance: W2 - measurement at 10kHz, 100mV  
 Leakage Inductance: W2 <1.0µH, W1 short circuited - measurement at 100kHz, 10mA  
 Turns Ratio: W1 : W2; Tolerance ±2%  
 High Voltage: 2.0kV for 1 second, W1 to W2

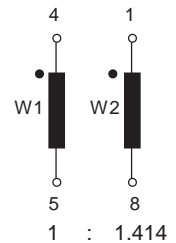
### Dimensions & Schematics



#### Suggested Pad Layout



#### Schematic



Dimensions: Inches (Millimeters)  
 Tolerance: ±0.010 (0.25) unless specified otherwise  
 Coplanarity: <0.004 (0.10)

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