



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

### Features

- industry standard through-hole footprint
- 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°C
- fully RoHS compliant



### Electrical Specifications @ 25°C

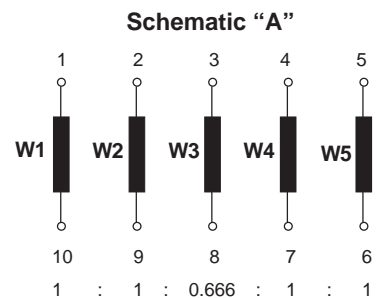
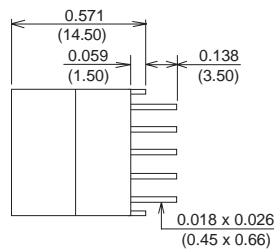
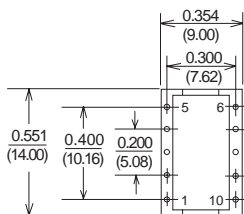
#### S<sub>2M</sub> Interface Transformers

Part Number	Turns Ratio ±2%	OCL (mH Min.) W1+W2+W3 in Series	L <sub>L</sub> (μH Max.)	DCR (mOhms Max.) W1=W2=W4=W5	DCR (mOhms Max.) W3	V <sub>P</sub> (Vrms)	Schematic
19649	1 : 1 : 0.666 : 1 : 1	5,0	1,0	165	120	1500	A

### Test Conditions:

Inductance: Windings 1 + 2 +3 in series - measurement at 10kHz, 100mV  
 Leakage Inductance: Windings 1 + 3 +5 in series, windings 2 + 4 short circuited - measurement at 100kHz, 100mV  
 Turns Ratio: 10kHz, 100mV  
 High Voltage: 2.0kV for 2 seconds, winding to winding

### Dimensions & Schematics



Dimensions: Inches (Millimeters)  
 Tolerance: ±0.010 (0.25) unless specified otherwise

Units will be supplied in tubes  
 Weight: 3.7grams

## Sales & Marketing, Design and Manufacturing Facilities

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