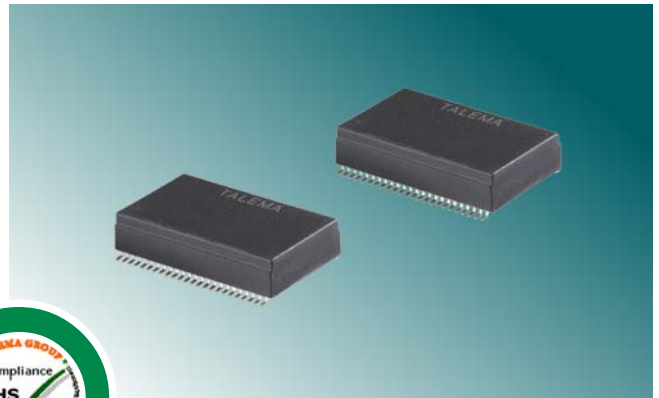




# T1/E1 Octal 75/120 Ohm Matching Transformer Module

## Features

- module contains eight transformers for Quad T1/E1 Ports
- SMD design provides consistent and reliable coplanarity - fully pick and place compatible
- controlled parameters ensure full compliance with ITU-T G.703 when matched with recommended IC
- manufactured in an ISO-9001:2000, TS-16949:2002 and ISO-14001:2004 certified Talema facility
- 1500Vrms minimum isolation voltage
- extended operating temperature: -40° to +85°C
- fully RoHS compliant and meets lead free reflow level J-STD-020C



## Electrical Specifications @ 25°C

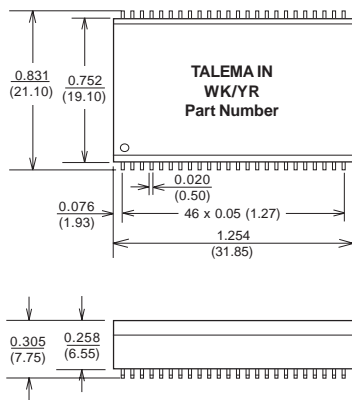
Turns Ratio: **Bold** = IC side windings

### Eight 75/120 Ohm Matching Transformer Module for Quad T1/E1 Ports

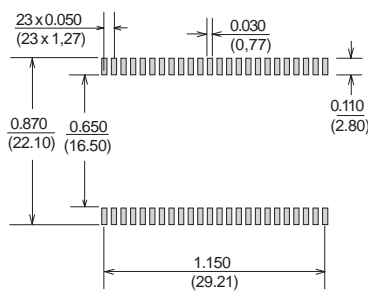
Extended Operating Temperature Range: -40° to +85°C

Part Number	Transformer	Turns Ratio (Pri:Sec +/-2%)	OCL (mH Min.)	L <sub>L</sub> (μH Max)	C <sub>WV</sub> (pF Max)	DCR (mOhms)		Pins Primary : Secondary
						Pri	Sec	
20362	TX - 120/75 Ohm	Chip : Line 1 : 1.9/2.4	1.0	0.8	50	0.9	1.4	(1:3) : (48-47)/(48-46), (7-9) : (42-41)/(42-40) (13-15) : (36-35)/(36-34), (19-21) : (30-29)/(30-28)
	RX - 120 Ohm	Line : Chip 1 : 1.9						(45-43) : (4-6), (39-37) : (10-12) (33-31) : (16-18), (27-25) : (22-24)
	RX - 75 Ohm	Line : Chip 1 : 2.4						(45-44) : (4-6), (39-38) : (10-12) (33-32) : (16-18), (27-26) : (22-24)

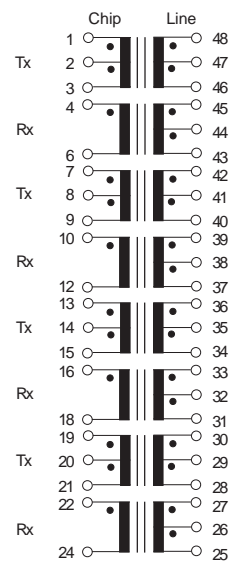
## Quad Module Package



## Suggested Pad Layout



## Schematic



Surface coplanarity will be <0.004 (0.10)

Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise

Weight: ~ 8 grams