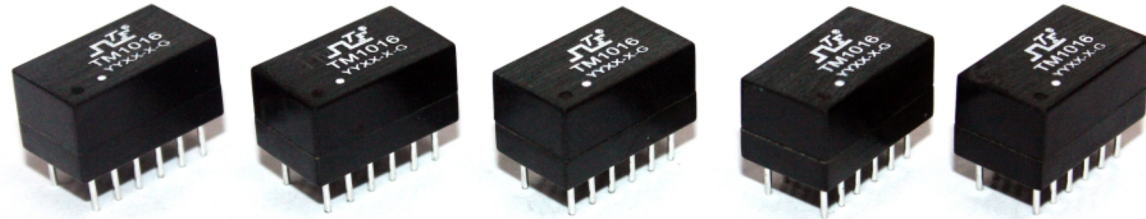




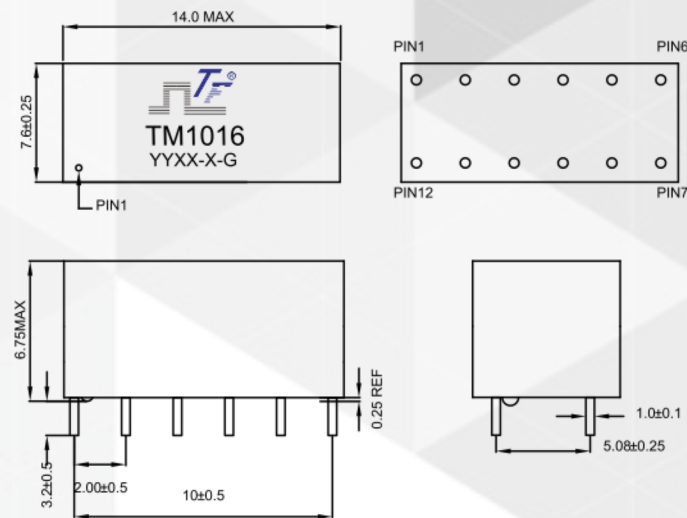
12PIN series 10/100Base-Tx Magnetics Module



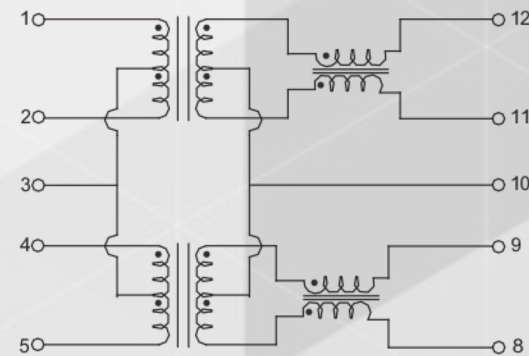
- ◆ Compliant with IEEE 802.3 standard including baseline wander compensation specification of 350uH OCL when Biased at 8mA from 0°C to 70°C
- ◆ Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
- ◆ Single channel interface for 10/100Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
- ◆ RoHS peak reflow temperature rating 260°C
- ◆ Ambient temperature 0°C to 70°C
- ◆ Storage temperature Component: -20°C to +125°C.

Part Number	Turns Ratio		Insertion Loss (dB MAX)	Return Loss (dB Min)			Differential to common Mode Rejection (dB Min)			Cross Talk (dB Min)			Hipot (Vrms MIN)
	TX	RX		100KHz-100MHz	1-30MHz	60MHz	80MHz	1-30MHz	60MHz	80-100MHz	1-30MHz	60MHz	
Tm1016	1CT:1CT	1CT:1CT	-1.1	-16	-12	-10	-42	-40	-35	-42	-40	-38	1500

Mechanicals TM1016



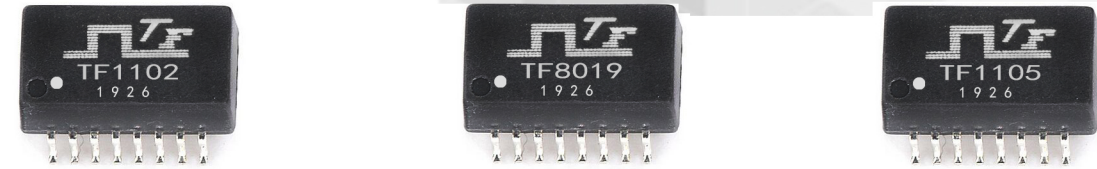
Schematic



16PIN series 10/100Base-Tx Magnetics Module



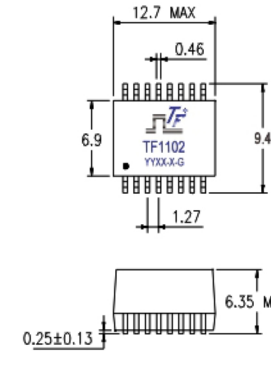
- ◆ Compliant with IEEE 802.3 standard including baseline wander compensation specification of 350uH OCL when Biased at 8mA from 0°C to 70°C
- ◆ Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
- ◆ Single channel interface for 10/100Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
- ◆ RoHS peak reflow temperature rating 260°C
- ◆ Ambient temperature 0°C to 70°C
- ◆ Storage temperature Component: -20°C to +125°C.
- ◆ Tape and reel packaging: -40°C to +80°C



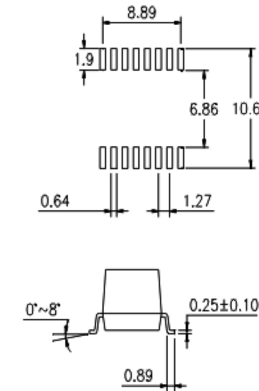
Part Number	Turns Ratio		Insertion Loss (dB MAX)	Return Loss (dB Min)			Differential to common Mode Rejection (dB Min)			Crosstalk (dB Min)			Hipot (Vrms MIN)	Type	
	TX	RX		100KHz-100MHz	1-30MHz	60MHz	80MHz	30MHz	50MHz	100MHz	30MHz	60MHz		100MHz	Mech
TF1102	1CT:1CT	1CT:1CT	-1.1	-16	-14	-11.5	-42	-37	-33	-45	-40	-35	1500	1	1
TF1102P	1CT:1CT	1CT:1CT	-1.1	-16	-12	-10	-42	-40	-35	-42	-40	-38	1500	2	1
TF1103	1CT:1CT	1CT:1CT	-1.1	-16	-12	-10	-42	-40	-35	-42	-40	-38	1500	1	2
TF1105	1CT:1CT	1CT:1CT	-1.1	-16	-14	-11.5	-42	-37	-33	-45	-40	-35	1500	1	3
TF8019	1CT:1CT	1CT:1CT	-1.1	-16	-14	-11.5	-42	-37	-33	-45	-40	-35	1500	1	4

Mechanicals

Type:1

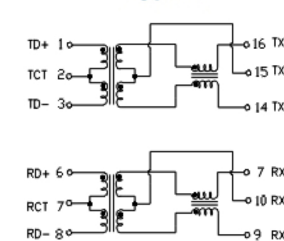


Type:2

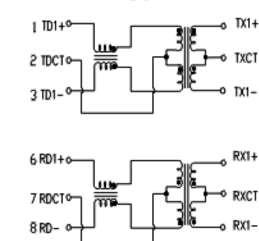


Schematic

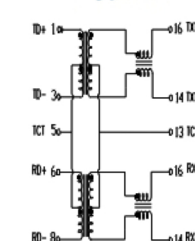
Type:1



Type:2



Type:3



Type:4

