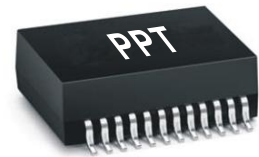


Designed to Support 1:1 Turns Ratio Transceivers

- ◆ Designed for long haul Gigabit Ethernet (100/1000Base-T) full duplex applications
- ◆ Cable interface for isolation and low Common mode emissions
- ◆ Compliant with IEEE 802.3ab standard for 1000Base-T
- ◆ Remark: Contact PPT for further requirements



Electrical specifications @25°C -operating temperature: 0°C to 70°C

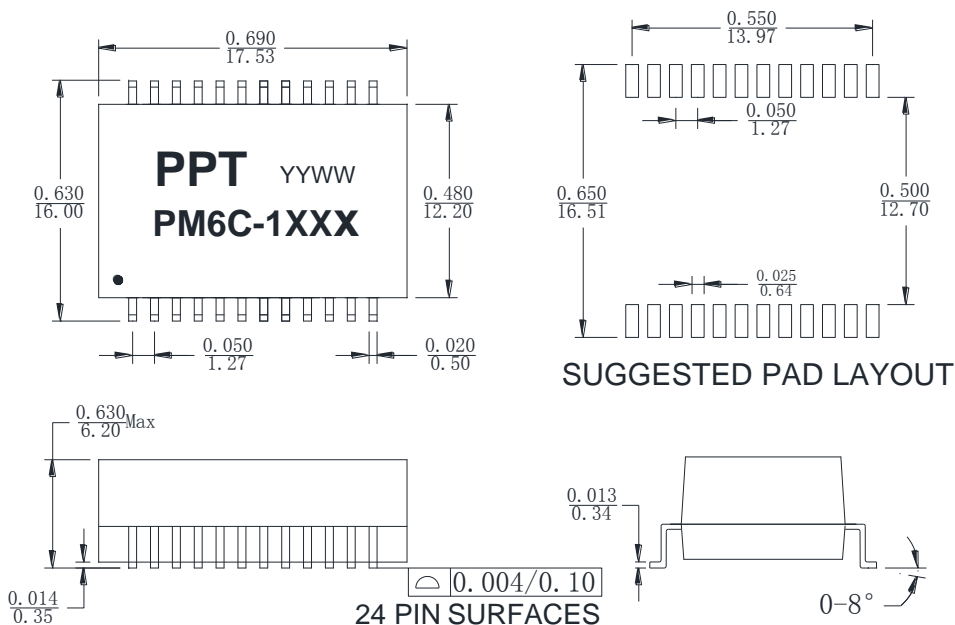
Part Number	Turns Ratio (±5%)	OCL (μH Min.)	Leakage Inductance (μH Max.)	CWW (PF Max.)	DCR (ΩMax.)	Hi-pot (Vrms)
PM6C-1001	1CT:1CT	350	1.0	35	1.5	1500
PM6C-1001A	1CT:1CT	350	1.0	35	1.5	1500
PM6C-1001J	1CT:1CT	350	1.0	35	1.5	1500
PM6C-1008	1CT:1CT	350	1.0	35	1.5	1500
PM6C-1009	1CT:1CT	350	1.0	35	1.5	1500

Part Number	Insertion Loss (dB Max.)	Return Loss (dB Min.)				DCMR (dB Min.)			Crosstalk (dB Min.)		
		1-100 MHz	1-30 MHz	40-50 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz
PM6C-1001	1.0	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35
PM6C-1001A	1.0	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35
PM6C-1001J	1.0	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35
PM6C-1008	1.0	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35
PM6C-1009	1.0	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35

Note: 1. Test condition: Line Side Inductance 350 uH Min. @100KHz, 100mV with 8mA DC Bias
 2. Test condition (PM6C-1001J) Operating temperature rang is -40°C TO +85°C:

Mechanicals

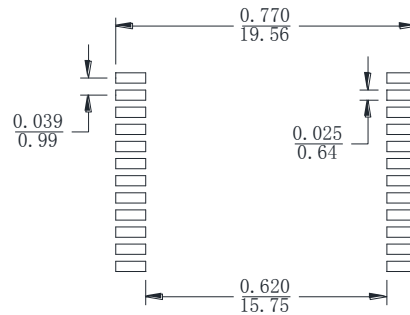
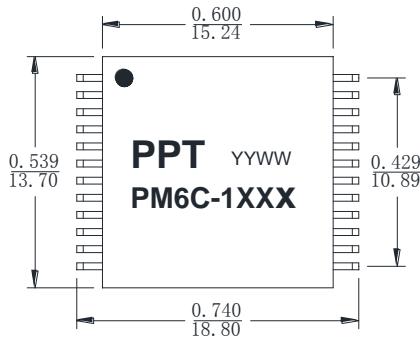
PM6C-1001, PM6C-1001A, PM6C-1001J, PM6C-1001C



Dimension: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified, all tolerances are: $\pm \frac{0.01}{0.25}$

Mechanicals

PM6C-1008, PM6C-1009



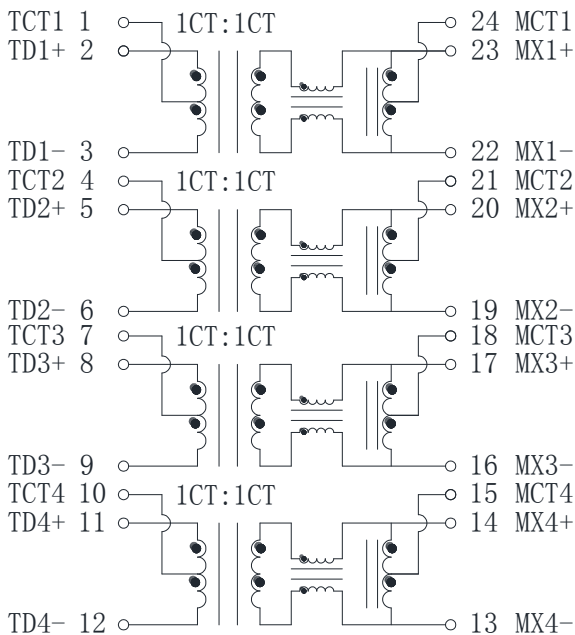
SUGGESTED PAD LAYOUT



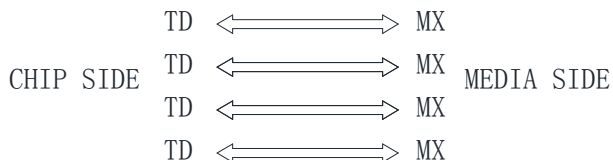
Dimension: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified, all tolerances are: $\pm \frac{0.01}{0.25}$

Schematics

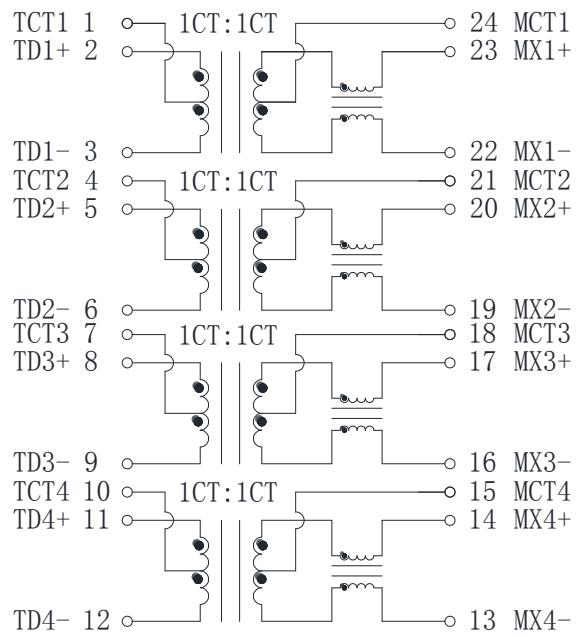
PM6C-1001, PM6C-1008



LEGEND



PM6C-1001A, PM6C-1001J, PM6C-1009



LEGEND

