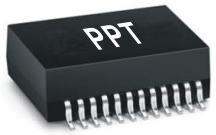
Designed to Support 1:1 Turns Ratio Transceivers

- ◈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℃-operating temperature: 0℃to70℃

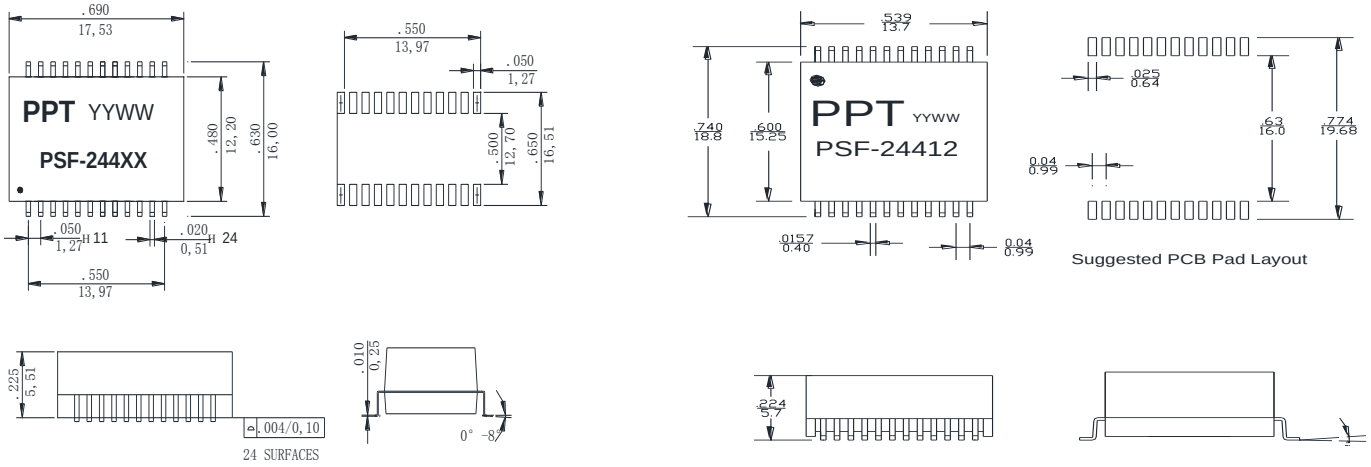
Part Number	Turns Ratio (±5%)	Line Side Inductance (μH Min.)	Leakage Inductance (μH Max.)	CWW (PF Max.)	DCR (Ω Max.)	Hi-pot (Vrms)
PSF-24411	1CT:1CT	350	0.5	35	2	1500
PSF-24412	1CT:1CT	350	0.5	35	2	1500
PSF-24414	1CT:1CT	350	0.5	28	1.5	1500
PSF-24415J	1CT:1CT	350	0.5	35	2	1500

Part Number	Insertion Loss (dB Max.)	Return Loss (dB Min)			Crosstalk (dB Min.)			DCMR (dB Min.)
	1-100MHz	1-30MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz	1-100MHz
PSF-24411	1.4	-18	-12	-10	-40	-35	-30	-33
PSF-24412	1.1	-18	-12	-10	-42	-33	-33	-30
PSF-24414	1.2	-16	-12	-10	-35	-30	-30	-30
PSF-2445J	1.2	-18	-15	-10	-42	-37	-33	-30

Note: 1.Test condition: Line Side Inductance 350 uH Min. @100KHz, 100mV with 8mA DC Bias
2.Test condition (PSF-24415J) Operating temperature rang is -40℃ TO +85℃: Line Side Inductance @100KHz, 100mV with 8mA DC Bias

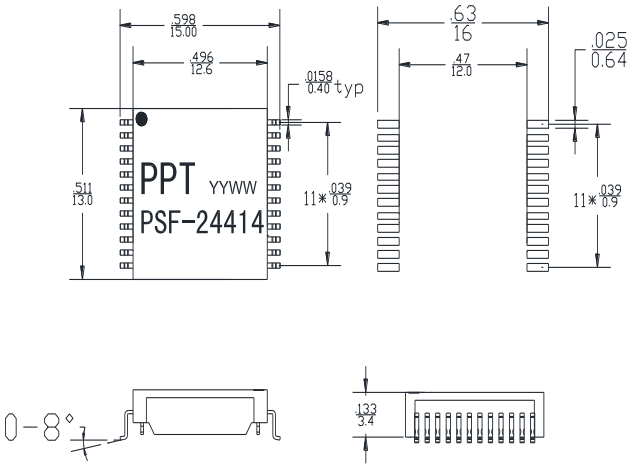
Mechanicals

PSF-24411 **PSF-24412**

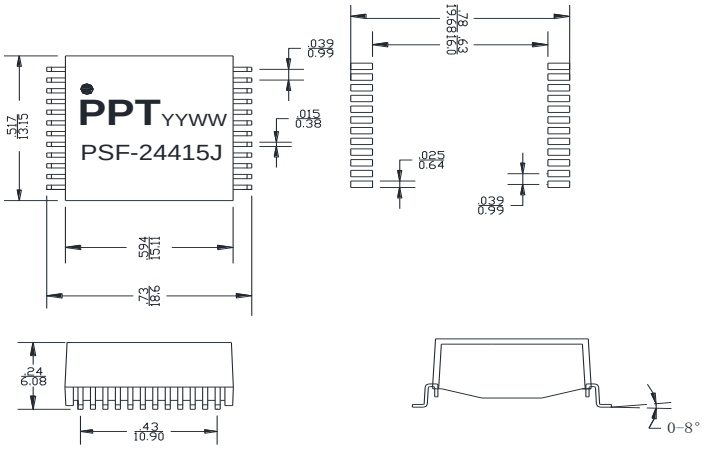


REMARKS:
dimension: inches / mm
unless otherwise specified, all tolerances are: ±0.01 / 0.25

PSF-24414



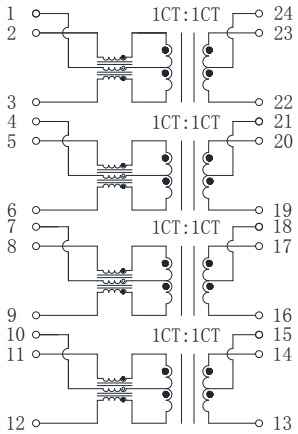
PSF-24415J



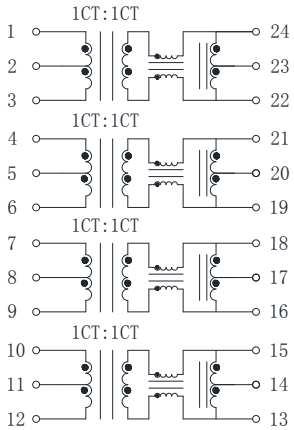
REMARKS:
dimension: inches / mm
unless otherwise specified, all tolerances are: ±0.01 / 0.25

Schematics

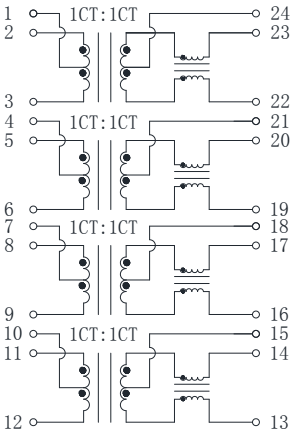
PSF-24411



PSF-24412



PSF-24414



PSF-24415J