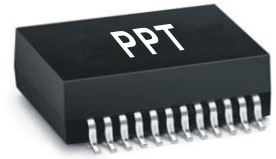


### For Auto MDI/MDIX Applications

- ◆ Compliant with IEEE802.3u and ANSI X3.263 standards including 350uH Min OCL with 8mA Bias
- ◆ Designed To Meet IEEE802.3 Requirements.
- ◆ Peak reflow temperature rating 260°C
- ◆ 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.)	L.L (μH Max.)	Cw/w (PF Max.)	DCR (Ω Max.)	Hi-pot (Vrms)
PSF-2447	1CT:1CT	350	0.5	25	1.5	1500
PSG-2442J	1CT:1CT	350	0.5	30	1.0	1500

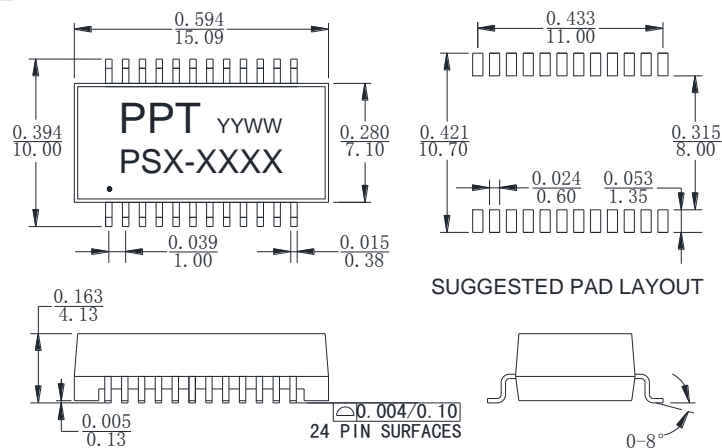
Part Number	Insertion Loss (dB Typ.)	Return Loss (dB Typ.)		Crosstalk (dB Min.)			DCMR (dB Min.)		
	1-100MHz	1-30MHz	60-80MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
PSG-2447	-1.1	-18	-12	-40	-35	-30	-40	-35	-30
PSG-2442J	-1.0	-18	-12	-45	-40	-35	-40	-35	-30

Note: 1. Test condition Line Side Inductance @100KHz, 100mV with 8mA DC Bias

2. Test condition (PSG-2442) Operating temperature rang is -40°C TO +85°C: Line Side Inductance @100KHz, 100mV with 8mA DC Bias

### Mechanicals

#### PSF-2447, PSG-2442J

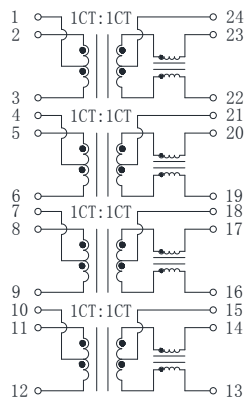


Dimension:  $\frac{\text{Inches}}{\text{mm}}$

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

### Schematics

#### PSF-2447



#### PSG-2442J

