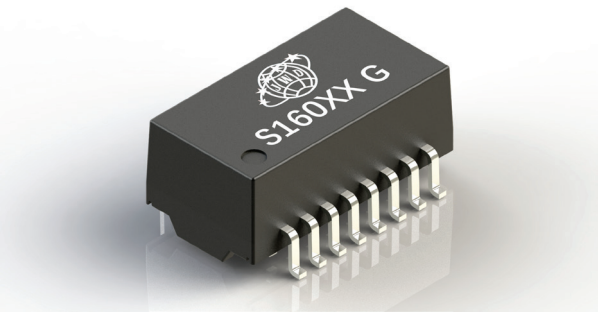


LAN TRANSFORMER

S160XX G-Series

10/100 Base-TX Single Port Magnetic Modules SMD



Features And Benefits

Cable Interface For Isolation And Low Common Mode Emissions Compliant With RoHS Requirements

Electrical Performance Summary

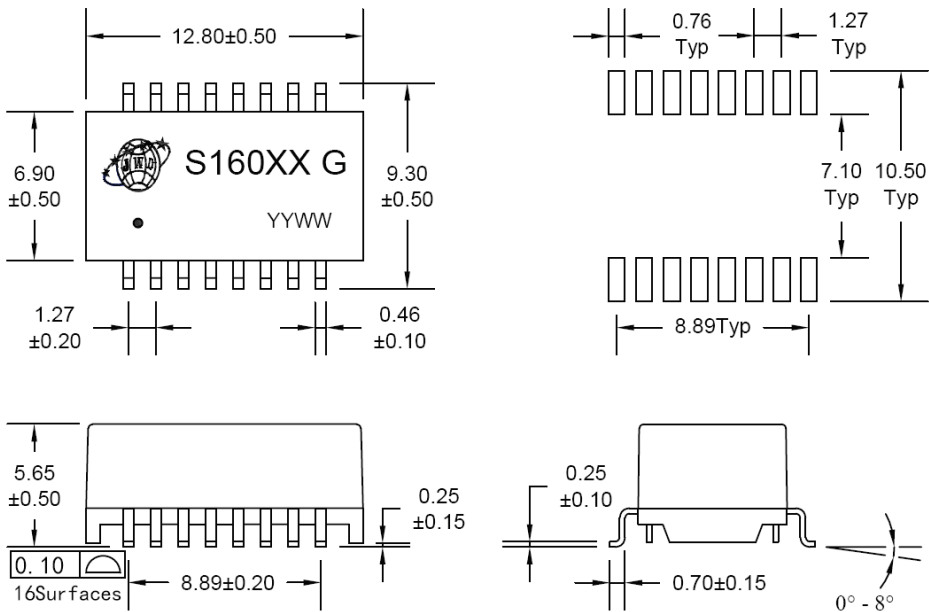
Designed For Ethernet 10/100 Base-TX, Full Single Port Applications

Compliant With IEEE 802.3 Standard For 10/100 Base-TX

Electrical Specifications @ 25°C

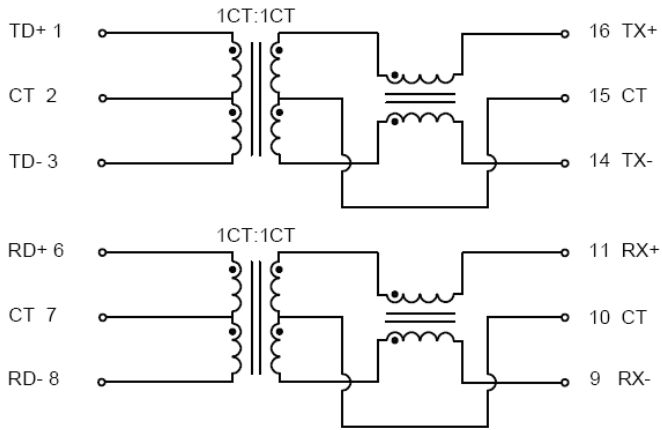
Part Number	OCL (μH)	Insertion Loss (dB)	Return Loss (dB)				Cross Talk (dB)	CMRR (dB)	Isolation Hipot (V)	PoE Rating	Operating Temperature (°C)
	Min	Max	Min				Min	Min	Min		
	100kHz,0.1V 8mA DC BIAS	1-100MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	1-100 MHz	1-100 MHz	1mA,60s		
S16037 G	350	-1.1	-18	-14.4	-13.1	-12	-30	-30	1500	NON-PoE	0 to 70
S16037T G	350	-1.1	-18	-14.4	-13.1	-12	-30	-30	1500	NON-PoE	-40 to 85
S16002 G	350	-1.1	-18	-14.4	-13.1	-12	-30	-30	1500	PoE 15W	0 to 70
S16081 G	350	-1.1	-18	-14.4	-13.1	-12	-30	-30	1500	PoE 15W	0 to 70
S16081PT G	350	-1.1	-18	-14.4	-13.1	-12	-30	-30	1500	PoE+ 30W	-40 to 85

Mechanical

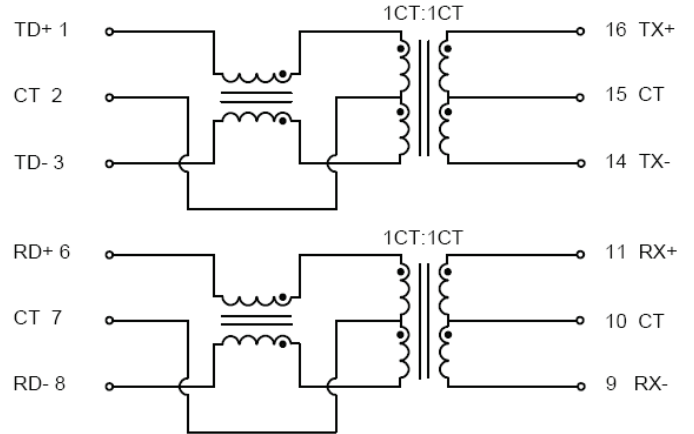


Schematics

S16037 G/S16037T G



S16002 G



S160B1 G/S160B1PT G

