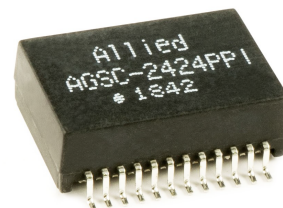




10/100/1000 Single Port PoE++ LAN Filter

AGSC-2424PPI

- PoE++ application with 1150mA Current. Maximum current of 2.3A when combining two pairs
- Designed to meet IEEE802.3bt, up to 90W per pair
- LL: 0.5 μ H Max @ 100KHz, 200mV
- Operating Temperature Range: -40°C to +85°C



Electrical Specifications @ 25°C

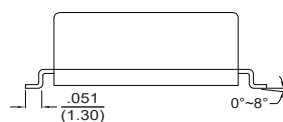
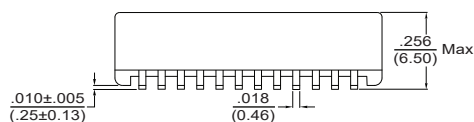
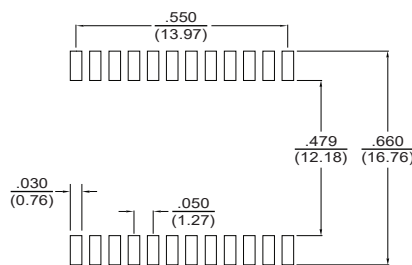
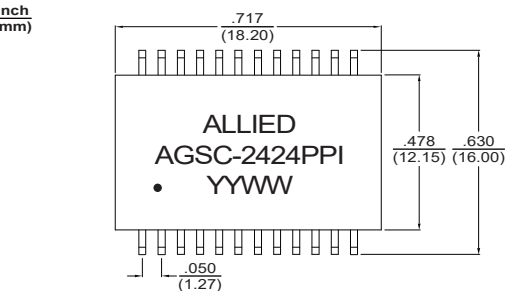
OCL(μ H Min) @ 100kHz, 200mV With 8mA DC Bias	Turns Ratio chip: cable ($\pm 5\%$)	DCR (Ω Max)	Insertion Loss (dB Max)	Return Loss (dB Min)		
350	1CT:1CT	1.1	0.3-100MHz -1.2	0.3-30MHz -16	40MHz -13.5	50-80MHz -10

Electrical Specifications @ 25°C

Common Mode Rejection (dB Min)			Cross Talk (dB Min)		HI-POT Isolation (Vrms)
30MHz	60MHz	80-100MHz	0.3-30MHz	60-100MHz	
-40	-35	-30	-35	-30	1500

All specifications subject to change without notice.

MECHANICAL

Dimensions: $\frac{\text{inch}}{\text{mm}}$ 

SCHEMATICS

Unless otherwise specified, all tolerances are $\pm 0.25(0.010)$ 