



- Ethernet based LAN, WAN and other networking applications
- PoE 700mA Current Capability
- Polarity: 1-16, 6-11, In-Phase
- LL: 0.5μH Max @ 100KHz, 0.2V
- DCR: 1.1Ω Max
- Operating Temp: 0°C to 70°C

**Electrical Specifications @ 25°C**

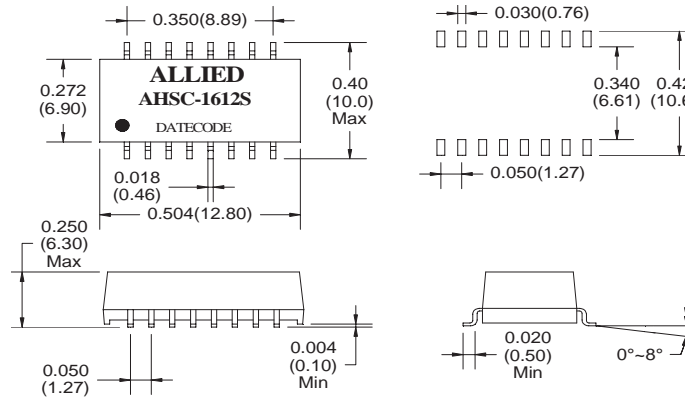
Part Number	OCL(μH Min) @ 100kHz, 0.2V	Turns Ratio chip: cable (±5%)	Insertion Loss (dB Max)	Return Loss (dB Min)				
	With 8mA DC Bias			1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz
AHSC-1612S	350	1CT:1CT(TX)/1CT:1CT(RX)	-1.1	-18	-15	-13	-12	

**Electrical Specifications @ 25°C**

Part Number	Common Mode Rejection (dB Min)			Cross Talk (dB Min)	Isolation HI-POT (Vrms)
	0.3-30MHz	60MHz	80-100MHz		
AHSC-1612S	-40	-35	-30	-35	1500

All specifications subject to change without notice.

**MECHANICAL**



Dimensions:inch( mm)  
Unless otherwise specified, all tolerances are ±0.010(0.25)

**SCHEMATICS**

