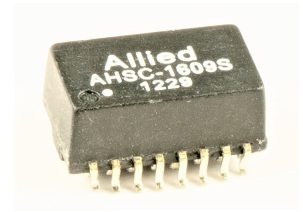


10/100 Base T Single Port LAN Filter Module

AHSC-1609S

- Ethernet based LAN, WAN and other networking applications
- Cw/w: 50PF TYP @100KHz 0.2V
- 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

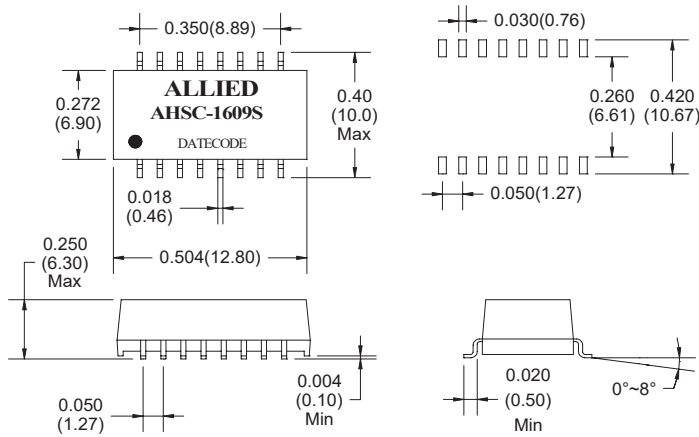
| Part Number | OCL(uH Min) @ 100kHz, 0.2V | Turns Ratio chip: cable (±5%) | Insertion Loss (dB Max) | Return Loss (dB Min) | | | |
|-------------|-------------------------------|-------------------------------------|----------------------------|-------------------------|-------|-------|----------|
| | With 8mA DC Bias | | | 0.3-30MHz | 40MHz | 50MHz | 60-80MHz |
| AHSC-1609S | 350 | 1CT:1CT(TX)/1CT:1CT(RX) | -1.1 | -18 | -15 | -13 | -11 |

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 | 0.3-60MHz | 60-100MHz | |
| AHSC-1609S | -40 | -35 | -30 | -42 | -35 | 1500 |

All specifications subject to change without notice.

MECHANICAL



SCHEMATICS

