



- Ethernet based LAN, WAN and other networking applications
- For PoE applications with 350mA current capability compliant to 802.3AT
- Cw/w:25PF Max @ 100KHz, 0.2V
- Operating Temp: 0°C to +70°C



Electrical Specifications @ 25°C

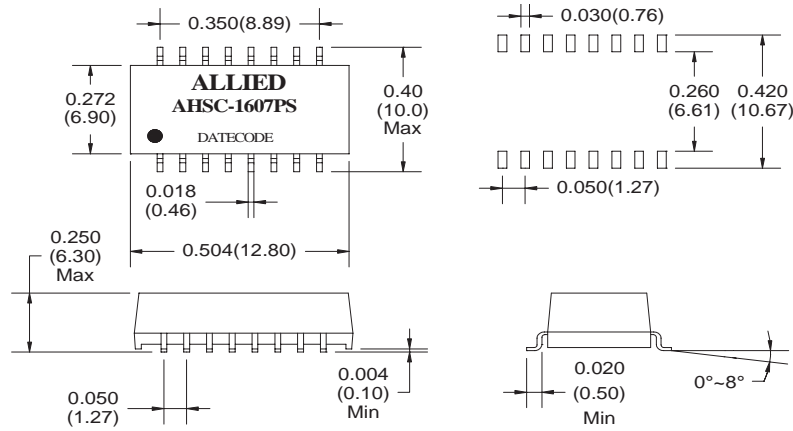
| Part Number | OCL(uH Min) @ 100kHz, 0.2V | Turns Ratio chip: cable (±3%) | Insertion Loss (dB Max) | Return Loss (dB Min) | | |
|-------------|-------------------------------|-------------------------------------|----------------------------|-------------------------|-------|----------|
| | With 8mA DC Bias | | 0.3-100MHz | 0.3-30MHz | 50MHz | 60-80MHz |
| AHSC-1607PS | 350 | 1CT:1CT | -1.1 | -16 | -12 | -10 |

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-1607PS | -40 | -35 | -30 | -42 | -35 | 1500 |

All specifications subject to change without notice.

MECHANICAL



SCHEMATICS

