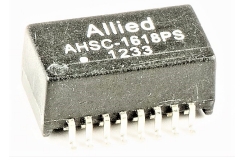




- PoE applications with 350mA Current Capability
- Compliant to IEEE802.3af / ANSI X3.263
- Cw/w: 25PF Typ @ 100KHz, 0.2V
- Polarity: 1-16, 6-11, In-Phase
- LL: 0.5µH Max @ 100KHz, 0.2V
- DCR: 1.1Ω Max
- Operating Temp: 0°C to +70°C



Electrical Specifications @ 25°C

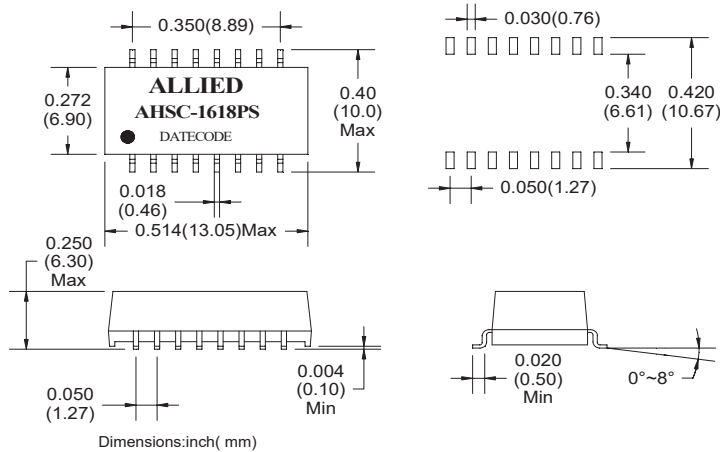
| Part Number | OCL(µH Min)<br>@ 100kHz, 0.2V | Turns Ratio<br>chip: cable<br>(±5%) | Insertion Loss<br>(dB Max) | Return Loss<br>(dB Min) |       |       |          |
|-------------|-------------------------------|-------------------------------------|----------------------------|-------------------------|-------|-------|----------|
|             | With 8mA DC Bias              |                                     | 0.3-100MHz                 | 0.3-30MHz               | 40MHz | 50MHz | 60-80MHz |
| AHSC-1618PS | 350                           | 1CT:1CT(TX)/1CT:1CT(RX)             | -1.1                       | -18                     | -16   | -14.5 | -12      |

Electrical Specifications @ 25°C

| Part Number | Common Mode Rejection<br>(dB Min) |       |           | Cross Talk<br>(dB Min) |           | Isolation<br>HI-POT<br>(Vrms) |
|-------------|-----------------------------------|-------|-----------|------------------------|-----------|-------------------------------|
|             | 0.3-30MHz                         | 60MHz | 80-100MHz | 0.3-60MHz              | 60-100MHz |                               |
| AHSC-1618PS | -40                               | -35   | -30       | -35                    | -30       | 1500                          |

All specifications subject to change without notice.

MECHANICAL



SCHEMATICS

