



10/100 Base T Single Port Transformer

AH1627CI

- Cw/w: 25PF TYP @ 100KHz, 0.2V
- LL: 0.5μH Max @ 100KHz, 0.2V
- DCR: 0.9Ω Max
- Operating Temp: -40°C to +85°C



Electrical Specifications @ 25°C

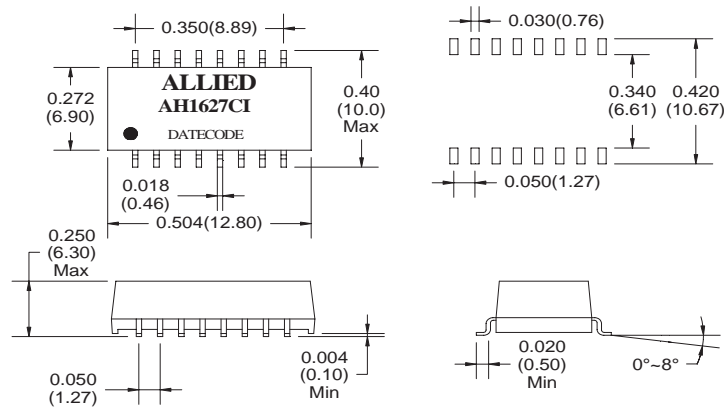
| Part Number | OCL(μH Min) @ 100kHz, 0.2V | Turns Ratio chip: cable (±3%) | Insertion Loss (dB Max) | Return Loss (dB Min) | | | |
|-------------|-------------------------------|-------------------------------------|----------------------------|-------------------------|-------|-------|----------|
| | With 8mA DC Bias | | | 0.3-30MHz | 40MHz | 50MHz | 60-80MHz |
| AH1627CI | 350 | 1CT:1CT | -1.1 | -18 | -16 | -14.5 | -12 |

Electrical Specifications @ 25°C

| Part Number | CDMR (dB Min) | | | Cross Talk (dB Min) | | Isolation HI-POT (Vrms) |
|-------------|------------------|-------|-----------|------------------------|-----------|-------------------------------|
| | 0.3-30MHz | 60MHz | 80-100MHz | 0.3-60MHz | 60-150MHz | |
| AH1627CI | -40 | -35 | -30 | -42 | -35 | 1500 |

All specifications subject to change without notice.

MECHANICAL



SCHEMATICS

