

1000 BASE PCMCIA PULSE TRANSFORMER

P/N:GS5019P

Feature



- Designed for long haul gigabit Ethernet 100/1000 Base-T, full duplex applications.
- Low profile package 2.39mm for PC card.
- Support 4 pairs of category 5UTP cable.
- Compliant with IEEE 802.3ab standard for 1000 Base-T.
- Operating temperature range :0°C to +70°C.
- Storage temperature range:-25°C to +125°C.

| Electrical Specifications @ 25°C | | | | | | | | | |
|----------------------------------|---|------------------------------------|-------|-------|-------|------------------|-------|-------|-------|
| Part Number | OCL (μH Min) @ 100KHz/0.1Vrms with 8mA/ DC Bias | Cross talk Attenuation (dB Min) | | | | DCMR (dB Min) | | | |
| | | 1MHz | 30MHz | 60MH | 100MH | 2MHz | 30MHz | 60MHz | 100MH |
| GS5019P | 350 | -50 | -43.5 | -37.5 | -33 | -50 | -43 | -37 | -33 |

| Continue | | | | | | | | | |
|-------------|-----------------------------|----------------------------|--------|--------|------------------------------------|-------|-------|----------|--------|
| Part Number | Voltage Isolation (Vrms) | Insertion Loss (dB Max) | | | Return Loss (dB Min) @ 100±15%Ω | | | | |
| | | 0.3-60MHz | 100MHz | 125MHz | 5-30MHz | 40MHz | 50MHz | 60-80MHz | 100MHz |
| GS5019P | 1500 | -1.0 | -1.0 | -2.0 | -18.0 | -14.4 | -13.1 | -12.0 | -10.0 |

Schematic

Mechanical

