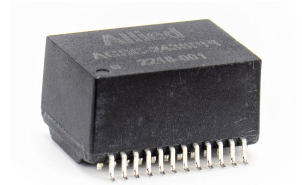




100/1000 Gigabit Base-T Single Port PoE++ LAN Filter AGSC-2436PPI

- PoE++ application with 1000mA maximum per pair
- Max 100W with both pairs combined
- Designed to meet IEEE802.3bt
- Operating Temperature Range: -40°C to +85°C
- Reflow condition: Tp is 260°C / -5°C for 30 sec (Refer to IPC JEDEC J-STD-020 standard)



Electrical Specifications @ 25°C

| OCL(μH Min) @100kHz, 0.1V With 24mA DC Bias | OCL(μH Min)/+85°C @100kHz, 0.1V With 24mA DC Bias | Turns Ratio chip: cable (±5%) | LK(μH Max.) @100kHz, 0.1V | Return Loss (dB Min) | | | |
|---|---|-------------------------------------|------------------------------|-------------------------|-------|----------|--------|
| | | | | 1-30MHz | 50MHz | 60-80MHz | 100MHz |
| 350 | 200 | 1CT:1CT | 0.35 | -16 | -13.1 | -10 | -8 |

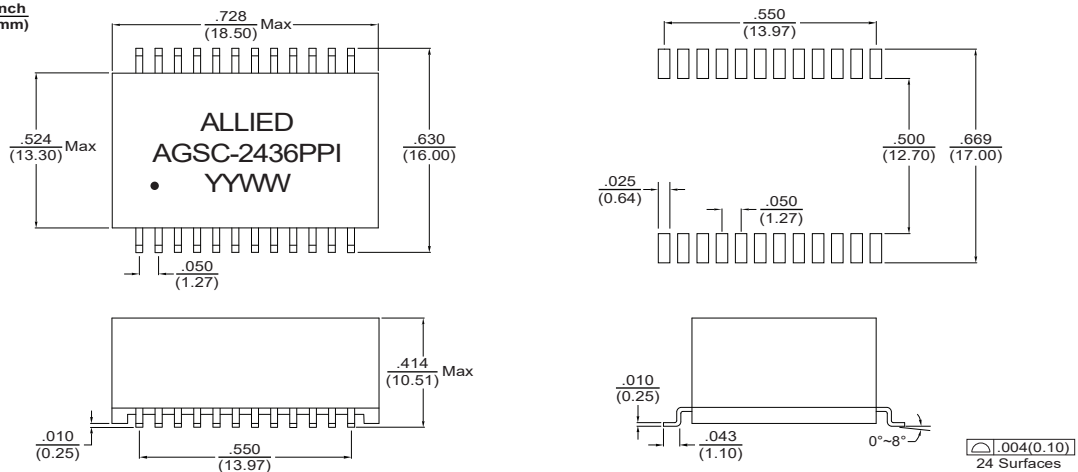
Electrical Specifications @ 25°C

| Insertion Loss (dB Max) | Cross Talk (dB Min) | | | DCMR (dB Min) | | | HI-POT Isolation (Vrms) | |
|----------------------------|------------------------|-------|-------|------------------|-------|-------|-------------------------------|--------|
| | 0.1-100MHz | 30MHz | 60MHz | 100MHz | 30MHz | 60MHz | | 100MHz |
| -1.5 | -40 | -35 | -30 | -30 | -40 | -35 | -30 | 1500 |

All specifications subject to change without notice.

MECHANICAL

Dimensions: inch (mm)



SCHEMATICS

Unless otherwise specified, all tolerances are ±0.25(0.010)

