

# 100/1000 Base T Gigabit Quad Port Transformer

- LL: 0.5uH Max @ 100KHz, 200mV
- DCR: 1.4Ω Max
- Operating Temp: 0°C to +70°C

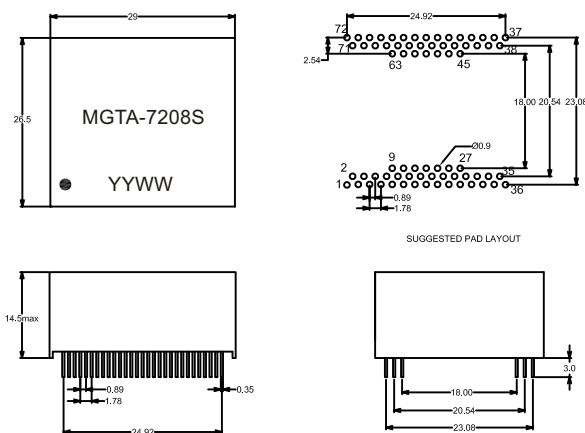
## Electrical Specifications @25°C

| Part Number | OCL(μH Min)<br>@ 100kHz, 0.2V<br>With 8mA DC Bias | Turns Ratio<br>chip: cable<br>(±3%) | Insertion Loss<br>(dB Max) | Return Loss<br>(dB Min) |         |       |       |          |
|-------------|---|-------------------------------------|----------------------------|-------------------------|---------|-------|-------|----------|
|             |   |                                     |                            | 1-100MHz                | 1-30MHz | 40MHz | 50MHz | 60-80MHz |
| MGTA-7208S  | 350   | 1CT:1CT                             | -1.0                       | -18                     | -14.4   | -13.1 | -12   | -10      |

## Electrical Specifications @25°C

| Part Number | Common Mode Rejection<br>(dB Min) |       |        | Cross Talk<br>(dB Min) |       |        | Isolation<br>HI-POT<br>(Vrms) 60S |
|-------------|-----------------------------------|-------|--------|------------------------|-------|--------|-----------------------------------|
|             | 0.3-30MHz                         | 60MHz | 100MHz | 30MHz                  | 60MHz | 100MHz |                                   |
| MGTA-7208S  | -40                               | -35   | -30    | -40                    | -35   | -30    | 1500                              |

## MECHANICAL



Dimensions: mm  
Unless otherwise specified, all tolerances are ±0.25

## SCHEMATICS

