





DIRECTIONAL COUPLER

For RF Applications in Cable TV Networking Equipment



-  16dB coupling level
-  Value-oriented construction
-  Operating bandwidth of 5MHz to 1000MHz
-  Operating temperature: -40°C to +85°C

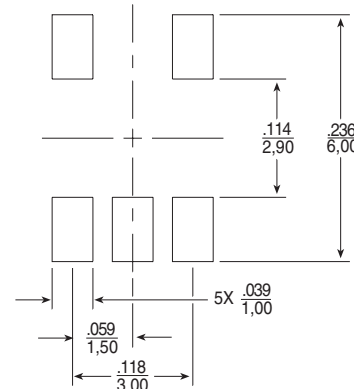
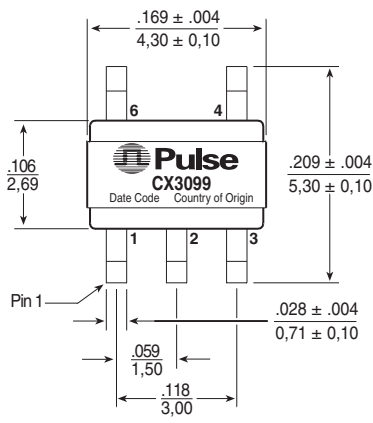
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

| Part Number | Frequency (MHz) | Z (Ω) | Coupling | | Mainline Loss | | Isolation (dB MIN) | Return Loss | |
|-------------|-----------------|-------|-----------|-------------------|---------------|----------|--------------------|-------------|----------|
| | | | Nom. (dB) | Flatness (dB MAX) | TYP (dB) | MAX (dB) | | TYP (dB) | MIN (dB) |
| CX3099 | 10 - 1000 | 50 | 16.0 ±2.5 | ±0.4 | 0.8 | 2.0 | 20 | 20 | 10 |

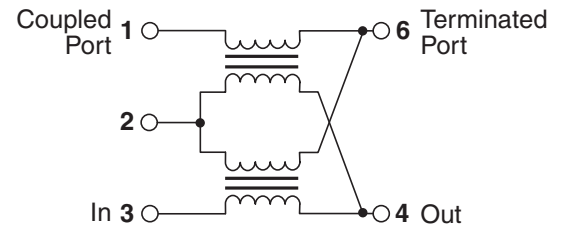
Mechanical

Schematic

CX3099



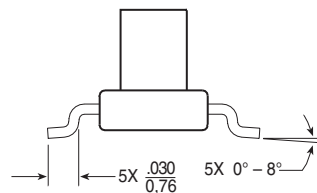
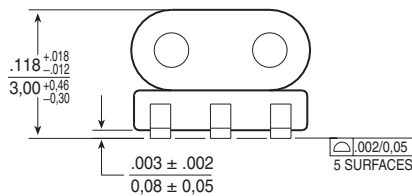
SUGGESTED PAD LAYOUT



Weight0.43 grams
Tape & Reel2200 /reel
Tray100 /tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.005}{0,13}$



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