

Part No. Description

TCA ** ** **

Frequency Attenuation Temperature coefficient code

| Model | Frequency Range (GHz) | Attenuation (dB) | Temperature Coefficient Code | Temperature Coefficient of Attenuation (dB/dB/°C) | Max. VSWR (:1) @1GHz@25°C | Max. Input Power (W) | Attenuation Accuracy (dB) |
|-----------|-----------------------|------------------|------------------------------|---|---------------------------|----------------------|---------------------------|
| TCA0601N* | DC-6 | 1 | N3~N9 | -0.003~ -0.009 | 1.2 | 2 | ±0.3 |
| TCA0602N* | DC-6 | 2 | N3~N10 | -0.003~ -0.010 | 1.2 | 2 | ±0.3 |
| TCA0603N* | DC-6 | 3 | N3~N10 | -0.003~ -0.010 | 1.2 | 2 | ±0.3 |
| TCA0604N* | DC-6 | 4 | N3~N10 | -0.003~ -0.010 | 1.2 | 2 | ±0.5 |
| TCA0605N* | DC-6 | 5 | N3~N10 | -0.003~ -0.010 | 1.2 | 2 | ±0.5 |
| TCA0606N* | DC-6 | 6 | N3~N10 | -0.003~ -0.010 | 1.2 | 2 | ±0.5 |
| TCA0607N* | DC-6 | 7 | N3~N10 | -0.003~ -0.010 | 1.2 | 2 | ±0.5 |
| TCA0608N* | DC-6 | 8 | N3~N10 | -0.003~ -0.010 | 1.2 | 2 | ±0.5 |
| TCA0609N* | DC-6 | 9 | N3~N10 | -0.003~ -0.010 | 1.2 | 2 | ±0.5 |
| TCA0610N* | DC-6 | 10 | N3~N10 | -0.003~ -0.010 | 1.2 | 2 | ±0.5 |

General Specifications

- Frequency Range DC to 6GHz
- Attenuation 8dB
- Attenuation Accuracy at 25°C ±0.5dB@1GHz
- VSWR 1.2:1 Max. @1GHz at 25°C
- Nominal Impedance 50 Ohms
- Power Rating 2 Watts CW
- Power Derating 100% @ 85°C
Derates to 0% @ 150°C
- Operating Temperature -55°C to +150°C
- Temperature Coefficient over Operating Temperature Range: See Table Above.
Temperature Coefficient Tolerance:+0.001dB/dB/°C.
- Package Outline: See Sheet 2.
- Workmanship: per MIL-PRF-55342.
- RoHS Compliant Lead Free Silver over Nickel Plating.
- Electrostatic Discharge Control: per MIL-STD-1686.

Unit Marking dB Value (XX), Direction of Shift (N) and TCA Shift (X).

Legibility and Permanency: per MIL-STD-130.

Quality Assurance

- Sample inspect per ANSI/ASQC Z1.4 general inspection, LEVEL II, AQL = 1.0.
 - 1.1 Visual and mechanical examination for conformance to outline package requirements.
- Select five (5) Units from lot measure attenuation from DC to 6GHz every 20°C over the temperature range -55°C to +125°C.
 - 2.1 Calculate, using linear regression, the slope of the curve.
 - 2.2 Calculate TCA using the following formula: TCA = Slope / Attenuation @ 25°C.
- Test data required for customer.

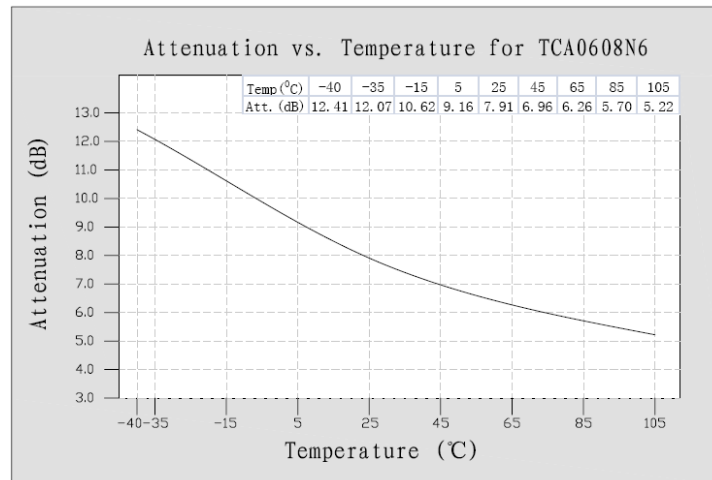
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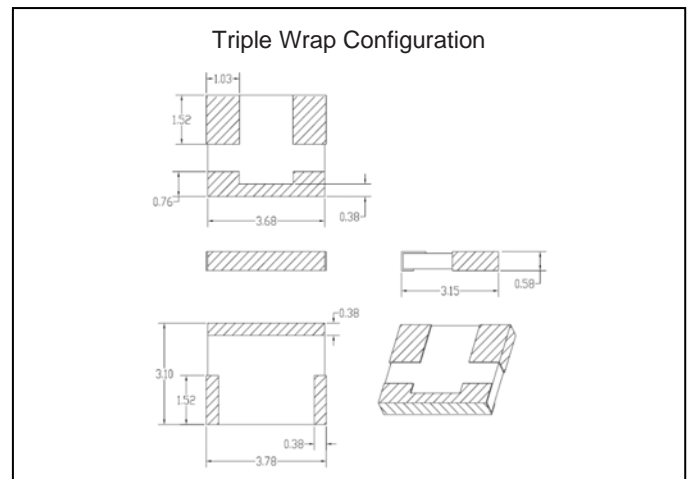
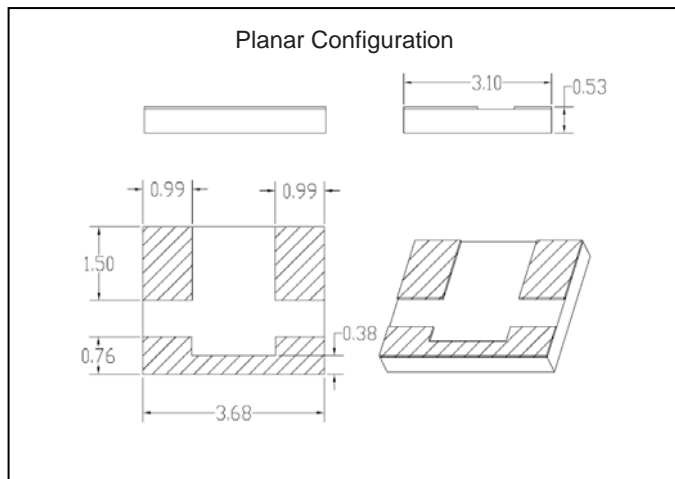
 For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

TCA Response



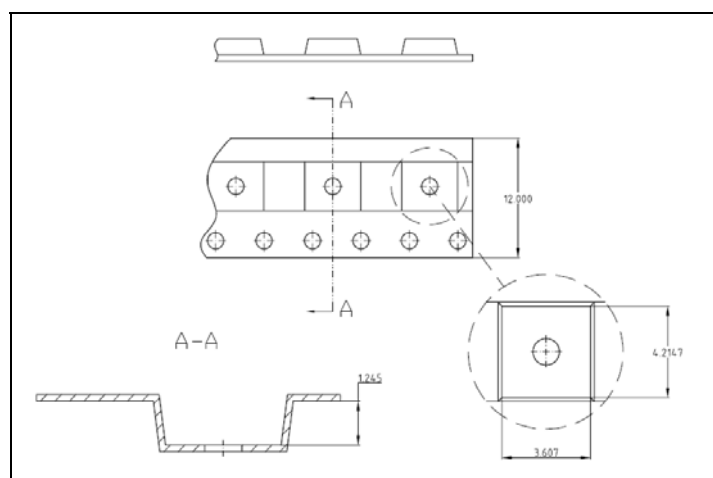
Package Outlines

All dimensions shown in mm unless stated otherwise



Tape & Reel

All dimensions shown in mm unless stated otherwise



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