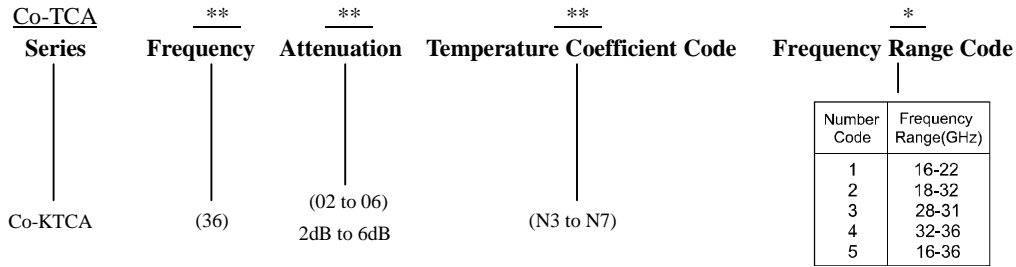


High Frequency Temperature Compensation Attenuator 28~31GHz 50Ω 100mW
Part No. Descriptions


| Part No. | Frequency Range Code | Attenuation (dB) | Temperature Coefficient Code | Temperature Coefficient of Attenuation (dB/dB/°C) | Typ. VSWR (:1) @25°C | Max. Input Power (mW) | Attenuation Accuracy (dB) |
|----------------|----------------------|------------------|------------------------------|---|----------------------|-----------------------|---------------------------|
| Co-KTCA3602N** | 1-5 | 2 | N3~N7 | -0.003~-0.007 | 1.50 | 100 | ±1.0 |
| Co-KTCA3603N** | 1-5 | 3 | N3~N7 | -0.003~-0.007 | 1.50 | 100 | ±1.0 |
| Co-KTCA3604N** | 1-5 | 4 | N3~N7 | -0.003~-0.007 | 1.50 | 100 | ±1.0 |
| Co-KTCA3605N** | 1-5 | 5 | N3~N7 | -0.003~-0.007 | 1.50 | 100 | ±1.0 |
| Co-KTCA3606N** | 1-5 | 6 | N3~N7 | -0.003~-0.007 | 1.50 | 100 | ±1.0 |

General Specifications

1. Frequency Range 28 to 31GHz
2. Attenuation 2dB
3. Attenuation Accuracy at 25°C ±1.0dB Typical
4. VSWR at 25°C 1.50:1 Typical
5. Nominal Impedance 50 Ohms
6. Power Rating 100 mW CW
7. Power Derating 100% @ 100°C
Derates to 0% @ 150°C
8. Operating Temperature -55°C to +150°C
9. Temperature Coefficient over Operating Temperature Range: See Table Above.
Temperature Coefficient Tolerance: ±0.001dB/dB/°C.
10. Substrate: Alumina (Al₂O₃)
11. Resistive material: Thick film
12. Terminal material: Thick film, Input, Output and front Ground all made by gold, Back Ground made by Pd/Ag.
13. Protective Coating: Thick film (ethyl acetate)
14. Package Outline: See Sheet 4.
15. Workmanship: per MIL-PRF-55342.
16. RoHS Compliant.
17. Electrostatic Discharge Control: per MIL-STD-1686.

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

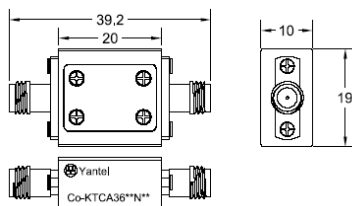
Legibility and Permanency: per MIL-STD-130.

Quality Assurance

1. 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.
2. Select five (5) Units from lot measure attenuation from 28 to 31GHz 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.
3. Test data required for customer.

Package Outlines

All dimensions shown in mm unless stated otherwise


Yantel Corporation

Add: 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China

Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

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