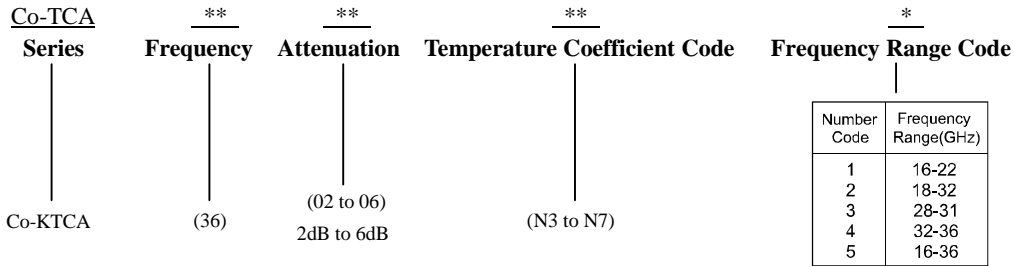


High Frequency Temperature Compensation Attenuator 28~31GHz 50Ω 100mW

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 3dB
- 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.

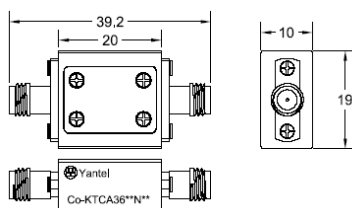
Unit Marking dB Value (XX), Direction of Shift (N) and TCA Shift (X).
Legibility and Permanency: per MIL-STD-130.

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



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