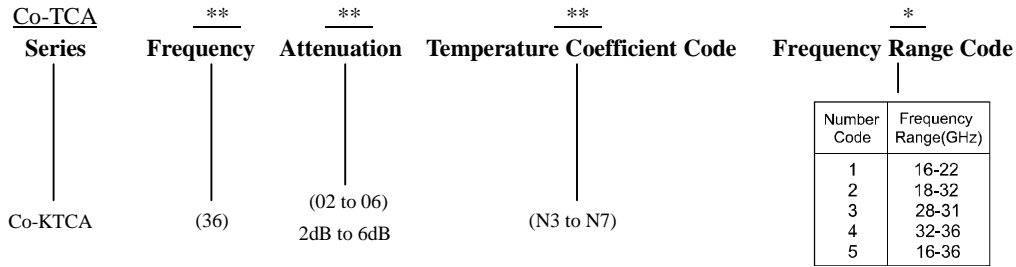


**High Frequency Temperature Compensation Attenuator 18~32GHz 50Ω 100mW**
**Part No. Descriptions**


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 18 to 32GHz
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 (Al<sub>2</sub>O<sub>3</sub>)
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.

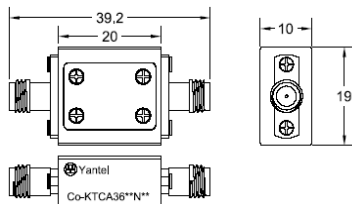
**Unit Marking** dB Value (XX), Direction of Shift (N) and TCA Shift (X).  
Legibility and Permanency: per MIL-STD-130.

**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 18 to 32GHz 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](http://www.yantel-corp.com)