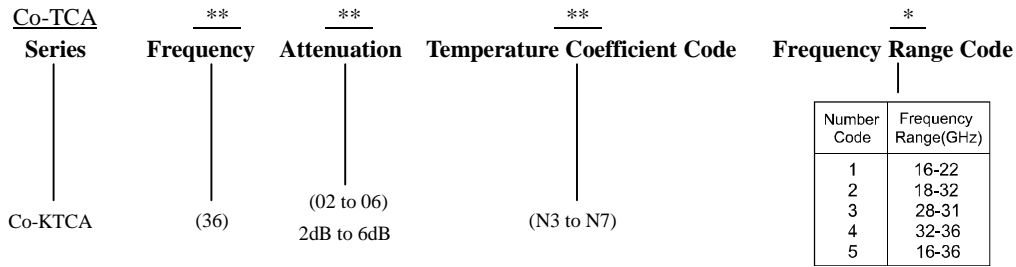


**High Frequency Temperature Compensation Attenuator 16~36GHz 50Ω 100mW**
**Part No. Descriptions**


| 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 16 to 36GHz
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.

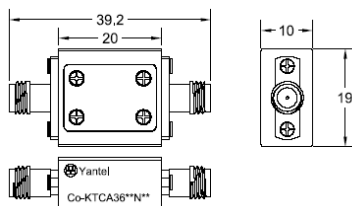
**Unit Marking** dB Value (XX), Direction of Shift (N) and TCA Shift (X).  
Legibility and Permanency: per MIL-STD-130.

**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 16 to 36GHz 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](http://www.yantel-corp.com)