

Description:

AT-COMB-0315-03XX is a super wideband comb generator. It's based on MMIC non-linear transmission line technology. This comb generator offers excellent phase noise performance from 3GHz to 15GHz input with output upto 67GHz.

Many connectors can be chosen with different frequency application, SMA, 2.92mm, 2.4mm, 1.85mm.



Feature

- ✓ Low Phase Noise
- ✓ Broadband Input
- ✓ Broadband Output
- ✓ No bias required

Application

- ✓ Comb line generation
- ✓ High efficiency multiplication
- ✓ Sampler
- ✓ Phase locked loops

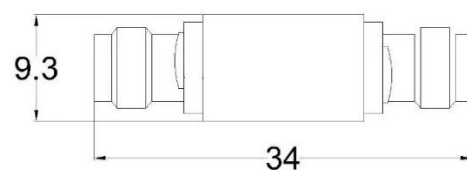
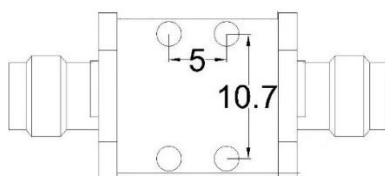
Electronical Specifications:

| Parameter | Min | Typical | Max |
|------------------|-------|---------|-------|
| Input Frequency | 3GHz | | 15GHz |
| Output Frequency | 3GHz | | 67GHz |
| Input Power | 16dBm | 20dBm | 26dBm |

Order Information

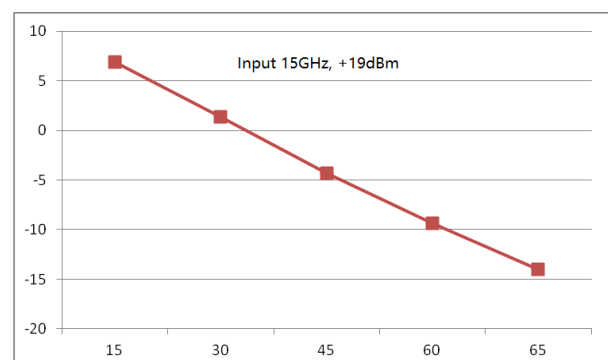
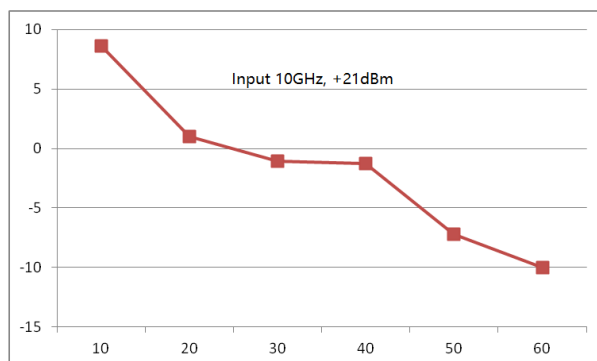
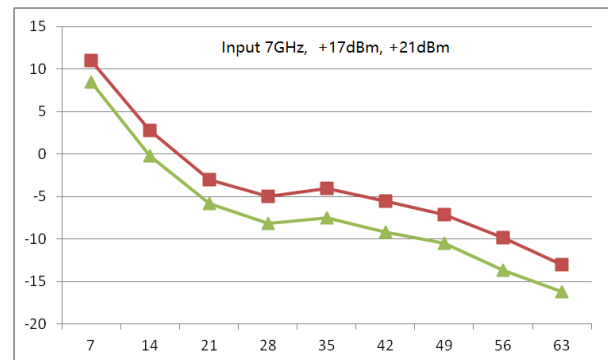
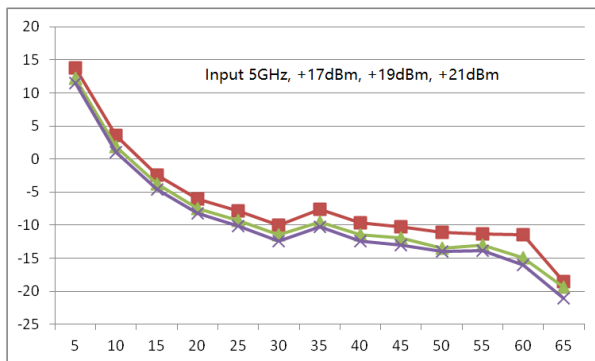
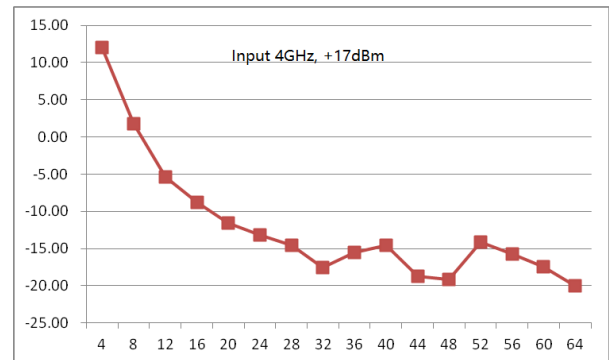
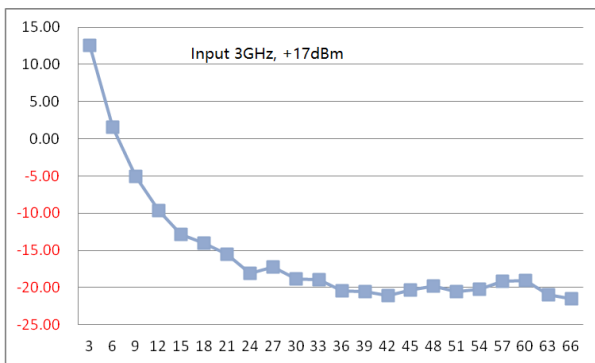
| Part Number | Output Frequency | Connector |
|-------------------|------------------|-----------|
| AT-COMC-0315-0326 | 3-26.5GHz | SMA |
| AT-COMC-0315-0340 | 3-40GHz | 2.9mm |
| AT-COMC-0315-0350 | 3-50GHz | 2.4mm |
| AT-COMC-0315-0367 | 3-67GHz | 1.85mm |

Dimension: (mm)



Absolute Maximum Ratings Table

| Parameter | Value |
|---------------------|--------------|
| Input DC Current | N/A |
| RF Power Handling | +26dBm |
| Storage Temperature | -65 to +150C |



Output frequency and power Vs. Input

