

AIRT12DC-00/10G

Medium power broadband amplifier

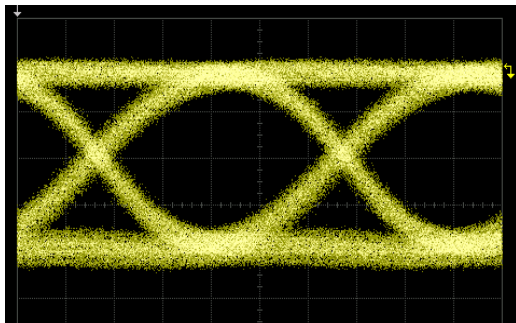
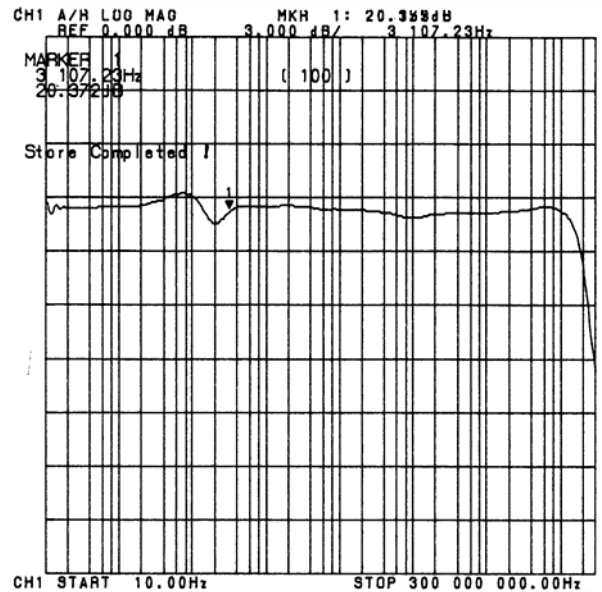
- Ultra wideband linear amplifier
- High end frequency ; 10GHz
- Medium power (+12dBm) drive
- Low end frequency ; DC
- Compact size
- Low power consumption



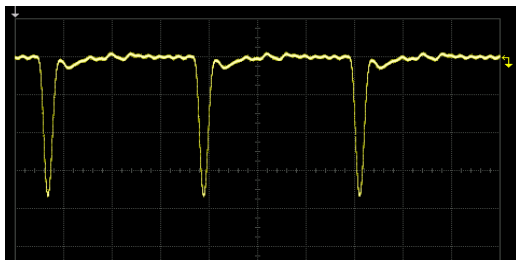
Electrical specification

Bandwidth	DC to 12GHz
Gain	20dB
Gain ripple relative to gain slope	+/-1dB
Temperature coefficient	-0.05dB/deg
Operating temperature range	5deg to +60deg
Output power at 1dB compression	12dBm
Input return loss	<-10dB
Output return loss	<-10dB
Rise time	30ps

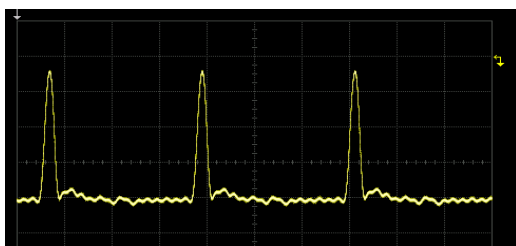
Noise figure	<10dB
Supply voltage	+12V/100mA, -12V/50mA
Dimensions	47mm X 30mm X 7mm



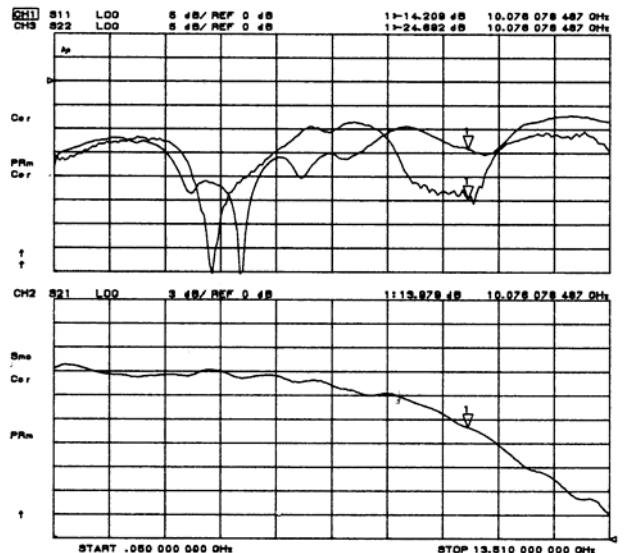
20ps/div



500ps/div



500ps/div



9.9328Gbps

500mV/div