

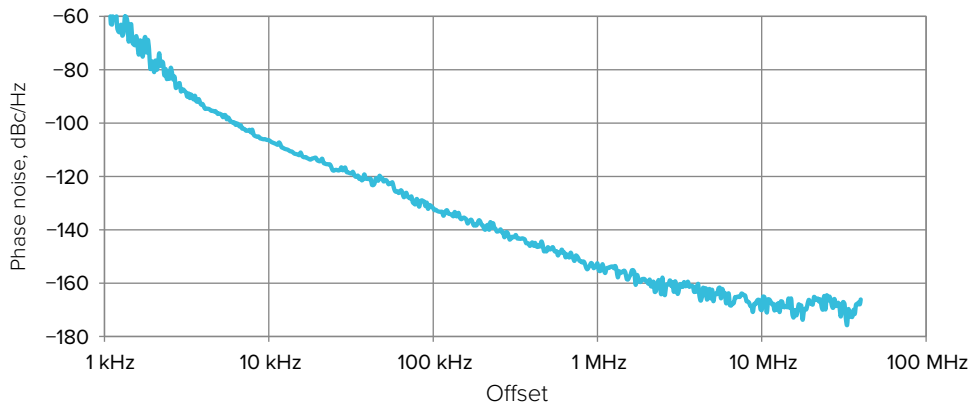
YIG-tuned oscillator MYTO-3080

- Ultrawideband tuning
- Low phase noise
- High tuning linearity



YIG-tuned oscillators MYTO maintain low phase noise signal even when output frequency varies more than one octave range. This can be reached with high-Q ferromagnetic yttrium-iron garnet resonators.

Phase noise at 3 GHz



Technical Specifications

Operating frequency range, GHz	3...8
Thermal frequency drift, max., MHz	10
Pulling, MHz	3
Second harmonic level, dBm	-8
Third harmonic level, dBm	-20
Supply voltage/ Current consumption, V/mA	+5/100 / -5/30
Output power, dBm	12
Output power change,max., dB	± 2
Phase noise @100 kHz offset, dBc/Hz	-125
Main coil characteristics	
Tuning sensitivity, MHz/mA	10
Hysteresis,MHz	10
Coil resistance, Ohm	10
Coil inductance, mH	10...14
FM coil characteristics	
Tuning sensitivity, kHz/mA	200
Coil resistance, Ohm	1
Coil inductance, uH	500...600
Operating temperature range, °C	0...60

Overall and Mounting dimensions, mm

