

OCXO

116 MHz

Low Noise OCXO 116 MHz

Oscillator is designed for transverters for 28 MHz band and 144 MHz band where it serves as local oscillator of the 1st mixer. Oscillator is distinguished by extremely low phase noise. Oscillator uses low-noise crystal with good thermal stability, especially developed for this product. The thermal stability of oscillator is ensured by the precise thermostat. It can be used as an external LO for existing transverters or for new products.



Oscillator frequency:	116,000 MHz
Frequency accuracy@ 22 °C:	typ. +/- 0,5 ppm
Frequency stability (0...40 °C):	typ. +/- 0,1 ppm
Output power:	typ. 3 dBm@50 ohm
Phase noise:	see graph 1
Supply voltage:	12 ... 15 VDC
Current consumption:	type 100 mA
Current consumption oven:	type 800 mA
Dimensions:	57 x 35 x 80 mm
Connector:	SMA (female) 50 ohm

OPTION 1: Extra Low Noise OCXO 116 MHz-S

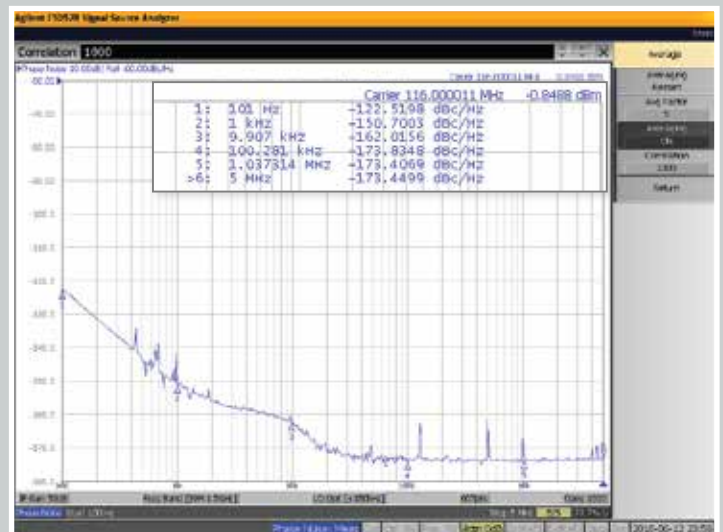
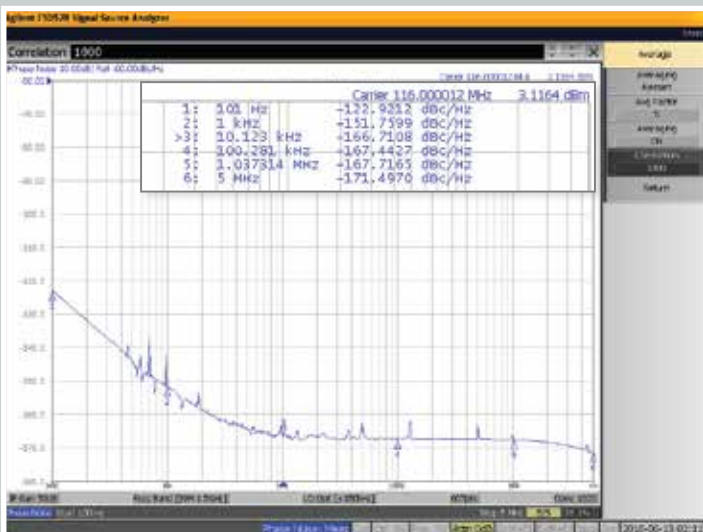
The special crystal filter is used in order to extremely decrease the phase noise.

Output power:	-1 dBm (typ.)
Phase noise:	see graph 2
Dimensions:	57 x 35 x 100 mm

Other parameters are identical with parameters of basic type.

1. PHASE NOISE WITHOUT CRYSTAL FILTER

2. PHASE NOISE WITH CRYSTAL FILTER



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