

FS-Z90

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Part-No.: 3638.2270.02

Product Description

Features:

- Low conversion loss
- High 1 dB compression Point
- High LO frequency range
- No biasing required
- Calibration data provided in file format
- Compatible with R&S Spectrum Analyzers (B21 Option)



Technical Specifications	
Frequency Range [GHz]	60 - 90
RF Port	WR12 (UG387/UM)
IF & LO Interface	SMA-F
LO Harmonic No.	6
LO Frequency [GHz]	7.44 to 15.34
LO Power Range [dBm]	+13.5 to +16
IF Frequency	5 MHz to 5 GHz ¹
RF VSWR	1.4:1 (typ.)
1 dB Compr. point [dBm (typ.)]	-6
Max. RF Input Power [dBm]	+0
Conversion Loss [dB]	60 GHz ≤ f _{RF} ≤ 78 GHz: max. 22, typ. 16 78 GHz ≤ f _{RF} ≤ 90 GHz: max. 28, typ. 21
Traceable Standard	fully referenced

(Each Spectrum Analyzer Mixer comes with a calibration file on a USB-Stick to upload to a R&S FS-Z (SAM).

¹ The actual IF frequency depends on the used spectrum analyzer. Conversion loss tables are supplied for 404.4 MHz, 729 MHz and 1330 MHz.



Typical Performance

Conversion Loss FS-Z90

