

R&S® HA-Z5M

LO/IF EXTENDER FOR EXTERNAL MIXER

Specifications

Electrical data

RF frequency range		7 GHz to 18 GHz
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LO cable input		
Connector		SMA female
Impedance		50 Ω
Recommended power	CW RF power	15.5 dBm
Return loss		≤ -8 dB (nom.)

LO output		
Connector		SMA male
Impedance		50 Ω
Saturated output power	CW RF power	15 dBm ≤ P ≤ 18 dBm (nom.)
Return loss		≤ -8 dB (nom.)

Power supply		
Connector		USB Type-A
DC supply voltage		4.9 V to 5.5 V
Maximum input current		150 mA

RF cable for IF		
Attenuation	0.74 GHz	1.7 dB (nom.)
	1.33 GHz	2.4 dB (nom.)
	1.53 GHz	2.5 dB (nom.)
	2.0 GHz	2.9 dB (nom.)
	2.4 GHz	3.2 dB (nom.)
	2.6 GHz	3.4 dB (nom.)
	2.8 GHz	3.5 dB (nom.)
	3.3 GHz	3.8 dB (nom.)
	3.5 GHz	3.9 dB (nom.)



General data

Environmental conditions		
Temperature	operating temperature range	+5 °C to +40 °C
	permissible temperature range	-5 °C to +50 °C
	storage temperature range	-10 °C to +60 °C
Climatic loading		+40 °C at 95 % relative humidity (DIN EN 60068-2-30: 2000-02)

Dimensions and weight		
Dimensions of R&S®HA-Z5M (without cable set)	W x H x D	102.5 mm x 22.5 mm x 49.0 mm (40.35 in x 8.86 in x 1.93 in) (nom.)
Weight of R&S®HA-Z5M (without cable set)		160 g (0.353 lb) (nom.)
Cable length of RF-CABLE 5M HA-Z5M cable set		5 m (197 in) (nom.)

Ordering information

Designation	Type	Order No.
LO/IF extender for external mixer	R&S®HA-Z5M	1350.6660.02
Accessories supplied		
Cable set: RF cable SMA (m) to SMA (m) for LO, RF cable SMA (m) to SMA (m) for IF, USB interface cable for power supply	RF-CABLE 5M HA-Z5M	1350.6676.00



*R&S®HA-Z5M LO/IF extender for external mixer,
with cable set RF-CABLE 5M HA-Z5M and, as an example, with an R&S®FS-Z325 harmonic mixer*

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