

Model: TLHM-060090-06-12
Spectrum Analyzer Harmonic Mixer
RF:60-90 GHz,IF:DC-1.8 GHz,6th
Feature:

- Designed for Keysight PXA series and R&S FSW series
- Full Waveguide Band Operation
- Compact Package
- 3 port design
- 6th Harmonic Detection

Electrical Specifications:

Parameter	Min	Typ	Max	Units
RF Frequency	60		90	GHz
LO Frequency	7.44		15.34	GHz
IF Frequency	DC		1.8	GHz
LO-Input power		15		dBm
Input Power			0	dBm
RF Input VSWR			3	:1
SSB Conversion Loss		-18		dB

Mechanical Specifications:

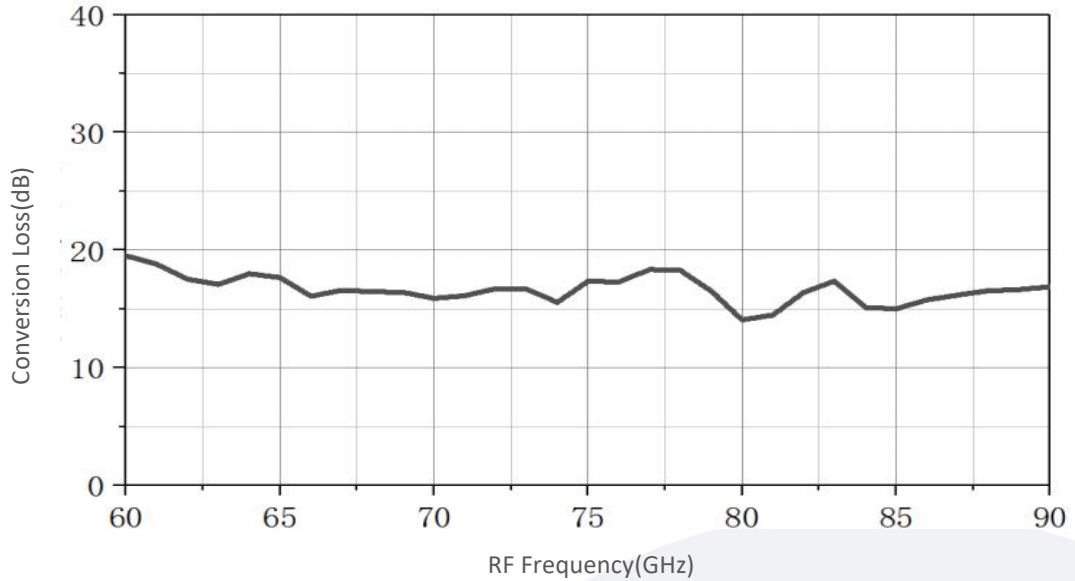
Parameter	Value	Units
RF Connector	WR-12/UG-387	
LO Connector	SMA Female	
IF Connector	SMA Female	
Size	97*28*24	mm

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	0dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Typical Performance Data:

Conversion Loss vs RF Frequency



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	0		+40	°C
Non-operating Temperature	-25		+65	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLHM-060090-06-12	Spectrum Analyzer Harmonic Mixer RF:60-90GHz,IF:DC-1.8GHz,6th,3 port design	Rev.1.1