

Model: TLHM-4060-04-19
Spectrum Analyzer Harmonic Mixer
RF:40-60 GHz,IF:DC-1.5 GHz,4th
Feature:

- Designed for Keysight PXA series and R&S FSW series
- Full Waveguide Band Operation
- Compact Package
- 4th Harmonic Detection

Electrical Specifications:

Parameter	Min	Typ	Max	Units
RF Frequency	40		60	GHz
LO Frequency	10		15	GHz
IF Frequency	DC		1.8	GHz
LO-Input power		15		dBm
Input Power		0		dBm
SSB Conversion Loss	-25	-20	-17	dB

Mechanical Specifications:

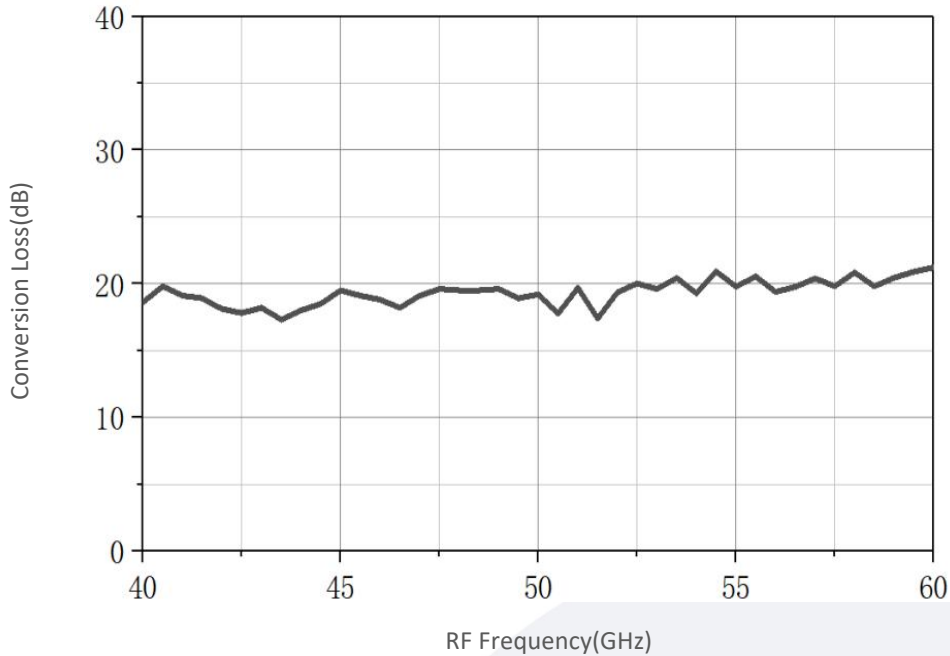
Parameter	Value	Units
RF Connector	WR-19/UG-383	
LO Connector	SMA Female	
IF Connector	SMA Female	
Size	97*28*24	mm

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-4060-04-19	Spectrum Analyzer Harmonic Mixer RF:40-60GHz,IF:DC-1.8GHz,4th	Rev.1.1