



HX5002

General Description

The HX5002 is a passive mixer that can be used as an upconverter or downconverter.

The low LO power of +7dBm combined with high isolation makes this device a good choice for applications in the ISM, cellular and satellite communication bands.

It comes with a hermetically sealed SMA package and works in the temperature range from -50°C to +85°C.

Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range, RF	4		6	GHz
Frequency Range, LO	4		6	GHz
Frequency Range, IF	DC		1	GHz
Conversion Loss		8	9	dB
LO Power		7		dBm
LO to RF Isolation	20	32		dB
LO to IF Isolation	17	23		dB
Operating Temperature	-40		+85	°C
Connectors	SMA-f , Solder Pin			
Package	M204			
Size	18 x 18 x 8 (w.o. Connectors)			mm

Rev. 1.0