



HX5002/SMD

General Description

The HX5002/SMD 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 low cost SMD packaged and works in the temperature range from -40°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
Package	S101			
Size	0.5 x 0.5 x 0.24			inch

Rev. 1.0