



HX5001/SMD

General Description

The HX5001/SMD is an active mixer with an integrated LO amplifier which can be used as an upconverter or downconverter.

The device requires a single bias (+5V) and it comes in a low cost SMD package.

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		2	GHz
Conversion Loss		7	9	dB
LO Power		2		dBm
LO to RF Isolation	25	30		dB
LO to IF Isolation	17	20		dB
Supply Voltage		5		V
Supply Current		50		mA
Operating Temperature	-40		+85	°C
Package	S101			
Size	0.5 x 0.5 x 0.24			inch

Rev. 1.0