



HX5001

General Description

The HX5001 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 hermetically sealed SMA package 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		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
Connectors	SMA-f , Solder Pin			
Package	M205			
Size	18 x 18 x 8 (w.o. Connectors)			mm

Rev. 1.0