



HX5004

General Description

The HX5004 is an double balanced mixer with integrated IF amplifier that can be used as a downconverter.

The device has a hermetically sealed SMA package and works in the temperature range from -40°C to +85°C.

Electrical Performance

Typical Data @25 °C, IF=100MHz

Parameter	Min	Typ	Max	Units
Frequency Range, RF	5.4		5.9	GHz
Frequency Range, LO	5.4		5.9	GHz
Frequency Range, IF	DC		0.5	GHz
Conversion Gain	18	20	22	dB
$P_{Out@-20.5dBmP_{In}}$	0	3		dBm
LO Power	7	10	13	dBm
LO to RF Isolation	23	28		dB
RF to IF Isolation	20	25		dB
Operating Temperature	-40		+85	°C
Connectors	SMA-f			
Package	M204			
Size	18 x 18 x 8			mm

Rev. 1.0