


**HX5005**

## General Description

The HX5005 is an double balanced mixer that can be used as a down- and upconverter.

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	2		7	GHz
Frequency Range, LO	2		7	GHz
Frequency Range, IF *	DC		2.5	GHz
Conversion Loss	7.5	8.50	10	dB
IP3_IN	28	30	32	dBm
LO Power	25	26	27	dBm
LO to RF Isolation	25	30		dB
RF to IF Isolation	10	15		dB
Operating Temperature	-40		+85	°C
Connectors	SMA-f			
Package	M204			
Size	18 x 18 x 8			mm

\* IF Range measured at RF=5.5 GHz

Rev. 1.0

