

Level 13

16-26GHz Frequency Mixer

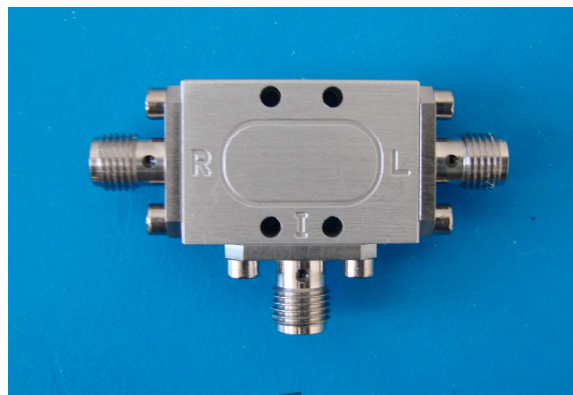
Features

- LO/RF: 16–26GHz
- IF: DC–9GHz
- LO Level: +13dBm
- Conversion Loss: 7dB typ.
- RF Input: Up to +10dBm
- Input IP3: +17dBm
- SMA Female All Ports

Description

GXR-19 is a passive double balanced mixer with 16 to 26GHz at RF/LO port and DC to 9GHz at IF port. The mixer operates with LO drive level range from +10dBm to +16dBm.

Picture



Electrical Specifications @ +25 °C, IF=100MHz, LO=+13dBm, 50 Ω

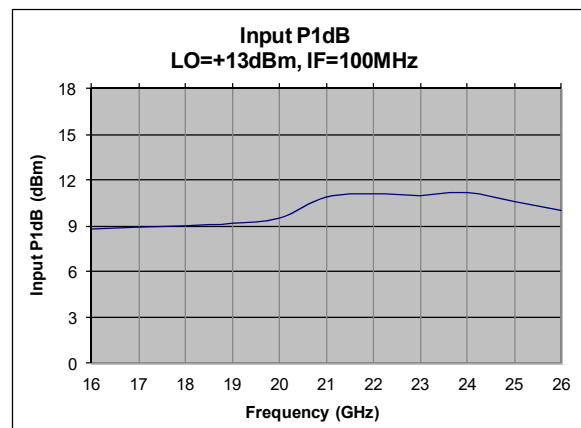
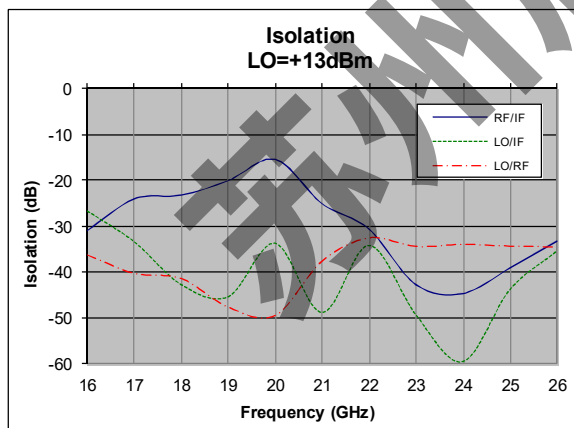
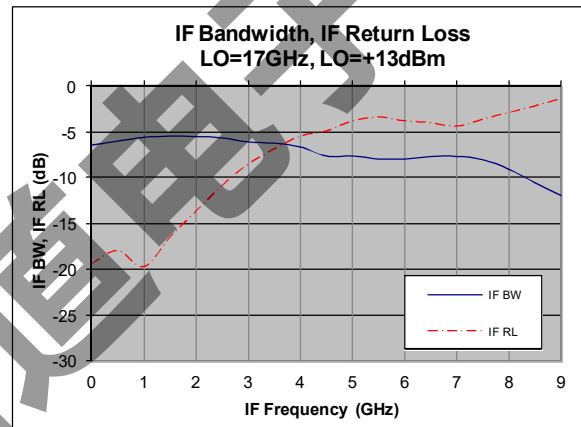
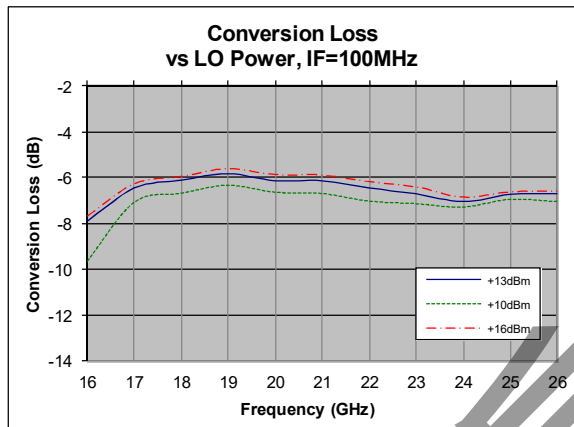
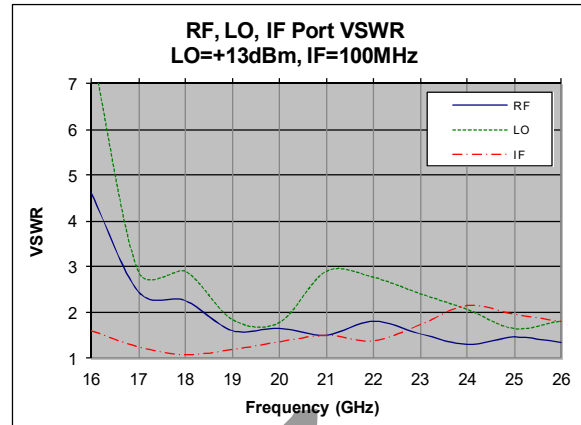
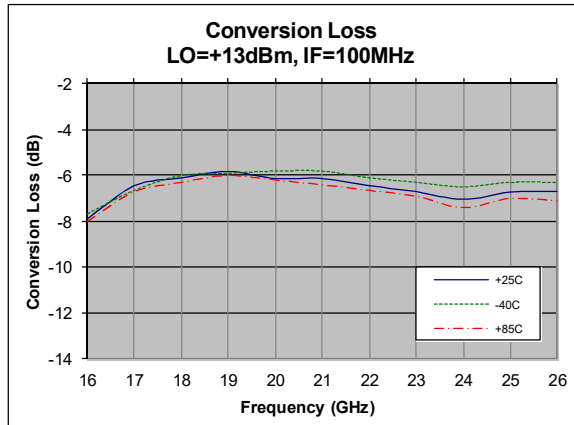
Parameter	Unit	Minimum	Typical	Maximum
Frequency Range LO/RF	GHz	16		26
IF	GHz	DC		9
Conversion Loss	dB		7	9
LO-RF Isolation	dB	30	40	
LO-IF Isolation	dB	30	40	
RF-IF Isolation	dB	15	25	
RF Input P _{1dB}	dBm		+10	
Input IP3	dBm		+17	

Unless otherwise noted, all measurements performed as a downconverter.

Level 13

16-26GHz Frequency Mixer

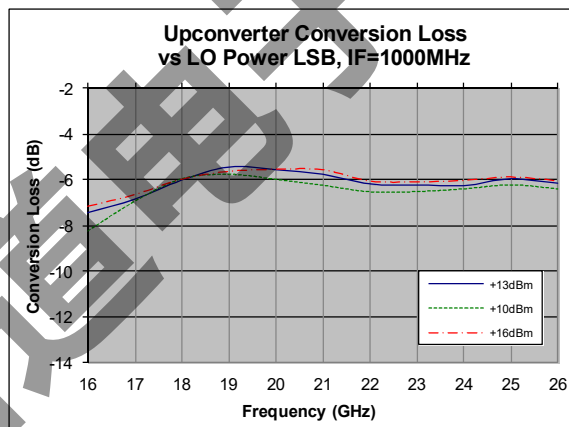
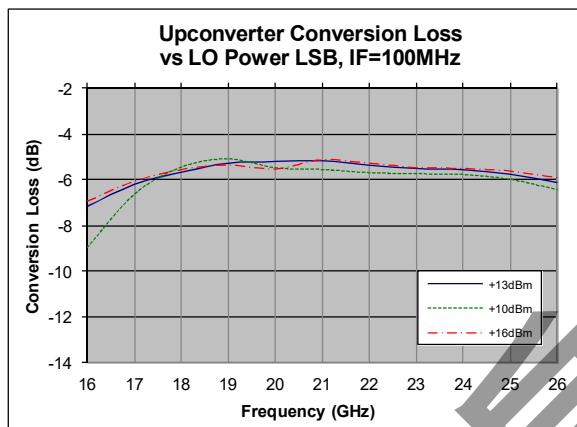
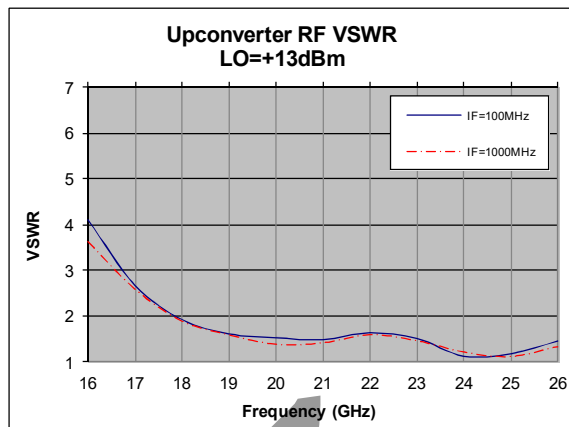
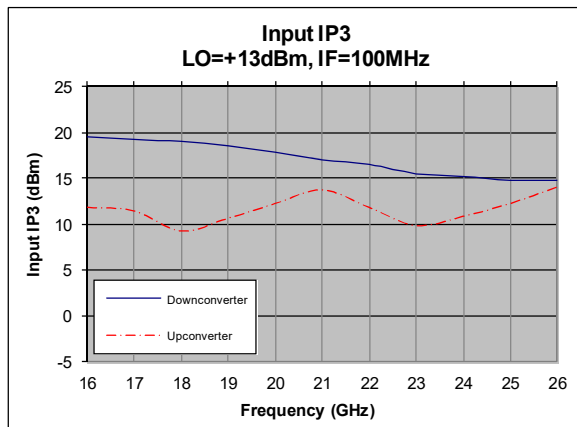
Typical Performance



Level 13

16-26GHz Frequency Mixer

Typical Performance



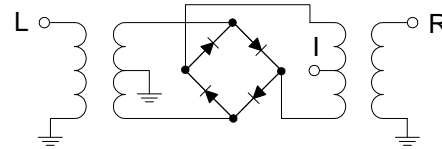
Level 13

16-26GHz Frequency Mixer

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	+25dBm
LO Driver	+25dBm
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-65 °C to +150 °C

Schematic



Outline

