



MZ8810/MZ8810C

TRIPLE-BALANCED MIXER

- LO 2 TO 18 GHz
RF 2 TO 18 GHz
- IF 1 TO 8 GHz
- LO DRIVE +10 dBm (nominal)
- MINIATURE PACKAGE
- WIDE BANDWIDTH
- AVAILABLE WITH FIELD REPLACEABLE CONNECTORS

Specifications (Rev. Date: 12/01)*

Characteristics	Typical	Guaranteed	
		+25°C	-54° to +85°C
SSB Conversion Loss & SSB Noise Figure (max.) $f_R = 3$ to 10 GHz, $f_L = 2$ to 15 GHz, $f_I = 1$ to 5 GHz $f_R = 2$ to 18 GHz, $f_L = 2$ to 18 GHz, $f_I = 1$ to 18 GHz	7.5 dB	9 dB 11 dB	9.5 dB 11.5 dB
Isolation (min.) L to R $f_L = 2$ to 18 GHz L to I $f_L = 2$ to 18 GHz	25 dB 28 dB	15 dB 16 dB	13 dB 14 dB
1 dB Conversion Compression f_L @ +10 dBm	+6 dBm		
Input IP3 $f_{R1} = 3$ GHz @ -10 dBm $f_{R2} = 3.01$ GHz @ -10 dBm $f_L = 5$ GHz @ 10 dBm $f_{R1} = 17.99$ GHz @ -10 dBm $f_{R2} = 18$ GHz @ -10 dBm $f_L = 14$ GHz @ 10 dBm	+15 dBm +13 dBm		

Measured in a 50-ohm system with nominal LO drive and downconverter application only, unless otherwise specified. Subject to change without notice.

Absolute Maximum Ratings

Operating Temperature	-54°C to 100°C
Storage Temperature	-65°C to 100°C
Peak Input Power	26 dBm max. @ +25°, 23°C
Peak Input Current	mA DC

Outline Drawing(s)

Package	Figure	Model
VPAC	JD	MZ8810
SMA	JC	MZ8810C

Typical Performance at 25°C