



MY93/MY93C

TRIPLE-BALANCED MIXER

- LO 2 TO 18 GHz
RF 2 TO 18 GHz
- IF 003 TO 4 GHz
- LO DRIVE +10 dBm (nominal)
- WIDE BANDWIDTH



Specifications (Rev. Date: 10/01)*

Characteristics	Typical	Guaranteed	
		+25°C	-54° to +85°C
SSB Conversion Loss & SSB Noise Figure (max.) $f_R = 2$ to 10 GHz, $f_L = 2$ to 14 GHz, $f_I = 0.03$ to 4 GHz $f_R = 10$ to 18 GHz, $f_L = 6$ to 18 GHz, $f_I = 0.03$ to 4 GHz	7.5 dB 8 dB	10 dB 11 dB	10.5 dB 11.5 dB
Isolation (min.) L to R $f_L = 2$ to 18 GHz L to I $f_L = 2$ to 18 GHz	29 dB 34 dB	15 dB 16 dB	13 dB 14 dB
1 dB Conversion Compression f_L @ +10 dBm	+4 dBm		
Input IP3 $f_{R1} = 6$ GHz @ -6 dBm $f_{R2} = 6.01$ GHz @ -6 dBm $f_L = 8$ GHz @ 10 dBm $f_{R1} = 15$ GHz @ -6 dBm $f_{R2} = 15.01$ GHz @ -6 dBm $f_L = 18$ GHz @ 10 dBm	+14 dBm +18 dBm		

Typical values are measured at 25°C and are not guaranteed. Typical performance applies to the MINPACŽ model and does not necessarily reflect the performance of the VERSAPAC® model. 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	JH	MY93
SMA	JG	MY93C

Typical Performance at 25°C