



MODELS
M-182/M-182C

DOUBLE-BALANCED
MICROWAVE MIXER 3-13 GHz

6.5 dB Typical Midband Conversion Loss

22 dB Typical Midband L-R Isolation

Starved LO Operation

Guaranteed Specifications*

(From -55°C to +85°C)

Frequency Range	RF, LO Ports	3-13 GHz	
	IF Port (3 dB BW)	DC-400 MHz	
Conversion Loss**	4-12 GHz	7.5 dB Max	
	3-13 GHz	8.5 dB Max	
Isolation	LO to RF	(3-8 GHz)	18 dB Min
		(8-13 GHz)	15 dB Min
	LO to IF	(3-8 GHz)	18 dB Min
		(8-13 GHz)	20 dB Min
	RF to IF	(3-13 GHz)	18 dB Min

Operating Characteristics

Impedance 50 Ohms Nominal

Maximum Input

Total Power 300 mW Max @ 25°C
Derated 3.2 mW/°C

RF Input

1 dB Compression 3 dBm Typical
1 dB Desensitization 0 dBm Typical

SSB Noise Figure

Within 1 dB of Conversion
Loss Max

3rd Order Input Intercept

6 GHz 11.5 dBm Typical
12 GHz 11.5 dBm Typical

Package Type

M-182 Flatpack (FP-10)
M-182C Connectorized (C-3)

(See pages 475 and 481 for physical dimensions.)

Environmental

These units are designed to meet the environmental and screening requirements of Table 1C, page 498 of the Adams-Russell catalog.

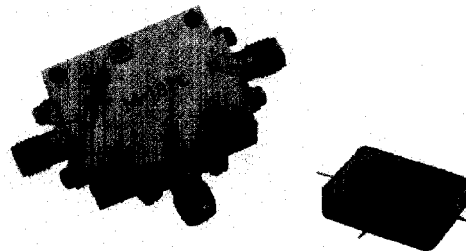
Pin Configuration

RF; P3, LO; P1, IF; P2.
Case ground.

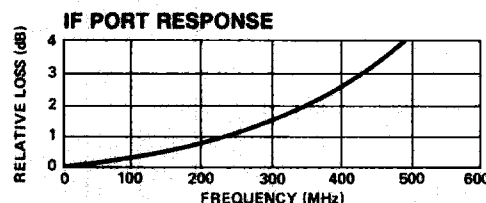
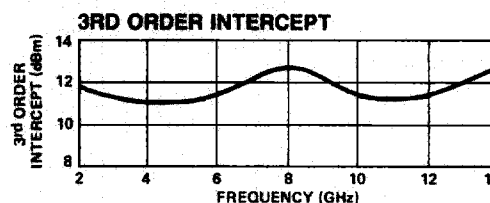
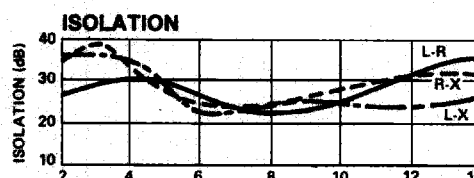
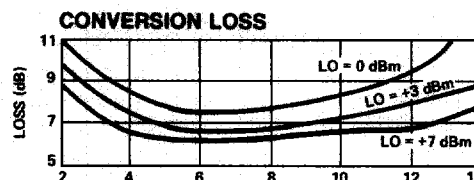
*All specifications apply when operated at +7 dBm available LO power with 50 ohm source and load impedance.

**For IF frequencies of DC-100 MHz and an RF of -10 dBm or lower.

Formerly Anzac Model MD-182, MDC-182



Typical Performance



Ordering Information

Model No.	Part No.	Connectors	Unit Price (5-9 Units)
M-182	9369	Pin	\$203
M-182C	9364	SMA	290

Delivery is from stock.



Make the Connection...

161 E. Industry Court Deer Park, NY 11729 Fax (516) 242-1222

Adams Russell
COMPONENTS GROUP

For Technical Information, Call (516) 242-1100

For Ordering Information, Call (617) 273-3333