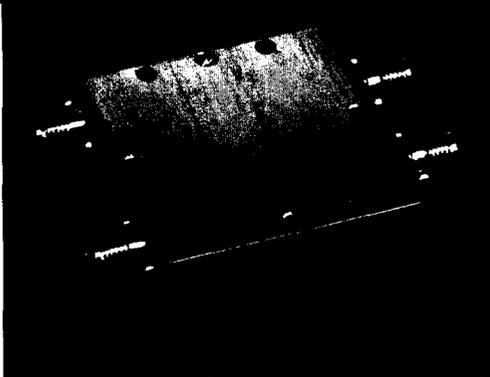


SINGLE SIDEBAND MODULATOR

6 to 18 GHz RF • 60 to 80 MHz IF



Model MR181



FEATURES

- Field-replaceable SMA connectors
- Microwave RF coverage
- 28 dB carrier suppression

SPECIFICATIONS

Frequency range	
RF (GHz)	6 to 18
LO (GHz)	6 to 18
IF (MHz)	20 to 200 in octave bands
Conversion loss (dB)	8 typ, 10 max
Sideband suppression (dB)	28 typ, 17 min
IF drive level (dBm)	+11 typ, +10 min, +12 max
IM suppression $\pm 2IF$ (dBc)	28 typ, 25 min
$\pm 3IF$ (dBc)	14 typ, 11 min
VSWR	
RF	2.4 typ, 2.8 max
LO	1.5 typ, 2.0 max
Input*	
1-dB compression (dBm)	+4 typ, +3 min
2-tone IP3 (dBm)	+13 typ, +10 min
Temperature range	
Operating (°C)	-40 min, +105 max
Storage (°C)	-65 min, +125 max

* +12 dBm IF power level

OUTLINE DRAWING

