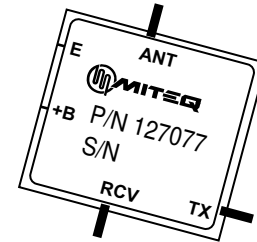


TRANSMIT/RECEIVE SWITCH/AMPLIFIER

MODEL: 127077

FEATURES

- Serves as an amplified duplexer
- Low noise figure
- Tx-Rx isolation greater than 40 dB
- Handles up to 2 watts of transmit power



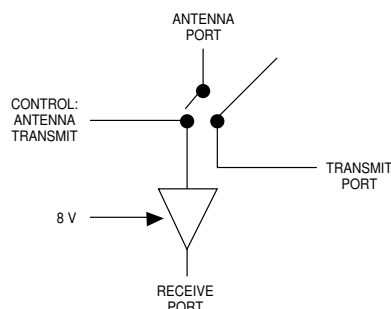
SPECIFICATIONS

PARAMETERS	LIMITS	CONDITIONS
Frequency receive band	2.2–4.2 GHz	
Frequency transmit bands	1.75–1.85 GHz and 5.9–6.4 GHz	
Receive gain	27 dB maximum, 21 dB minimum	Includes gain vs. temperature variations and gain slope
Noise figure	1.7 dB maximum	
Receive P1 dB output	4 dB minimum	
Receive isolation	20 dB minimum	
Transmit to antenna loss	0.7 dB maximum	
Transmit to receive isolation	40 dB minimum	
Transmit input power	33 dBm	
VSWR all RF ports	2:1	Z0 = 50 Ω
Stability	Unconditional	
Switch control	15 mA = Receive mode -15 mA = Transmit mode	
Control and DC connections	Solderable wires	
RF connections	Bondable ribbons	
DC power consumption	8 V @ 120 mA maximum	

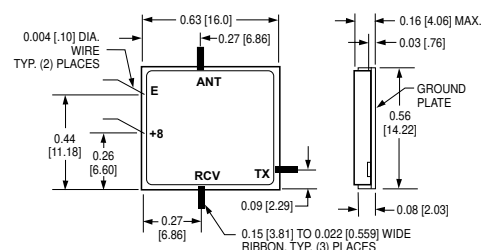
ENVIRONMENTAL CONDITIONS

Weight 30 grams
 Operating temperature 0 to 70°C
 Storage temperature -30 to +85°C

FUNCTIONAL BLOCK DIAGRAM



OUTLINE DRAWING



GENERAL NOTES:

1. Dimensions shown in brackets [] are in millimeters.
2. Tolerance as follows:
 .xx = ±0.01 [.xx = ±0.25], .xxx = ±0.005 [.xxx = ±0.13]