

# ACTIVE 3X FREQUENCY MULTIPLIER (CONT.)

## MODEL: SYS3X3334

### FEATURES

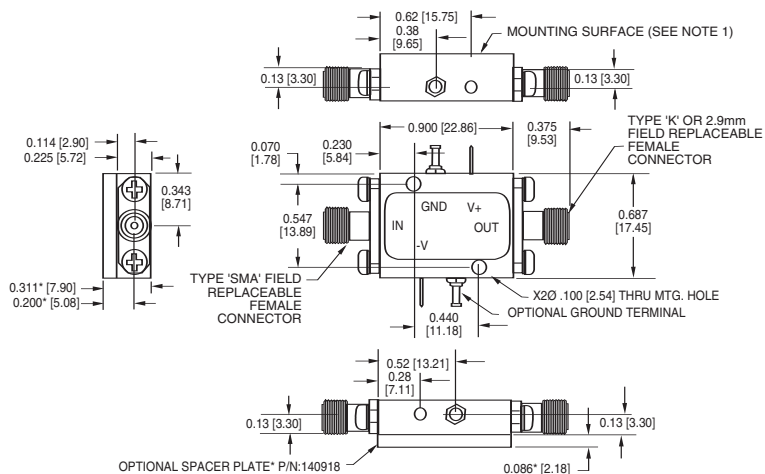
- High fundamental rejection ..... -80 dBc
- High output power ..... +23 dBm
- Packaging ..... Hermetically sealed

### ELECTRICAL SPECIFICATIONS

INPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz	11.1		11.6
RF VSWR	50 ohm reference	Ratio		2:1	
RF power range		dBm	+15		
V+ bias voltage	@ 320 mA max.	VDC	9		16
V- bias voltage	@ 25 mA max.	VDC	-9		-16
TRANSFER CHARACTERISTICS	CONDITION	UNITS	MIN.	TYP.	MAX.
Output power		dBm	+21	+23	
Fundamental leakage	Input	dBc		-80	-70
Second-harmonic leakage	Input	dBc		-80	-60
OUTPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz	33.3		34.8
RF VSWR	50 ohm reference	Ratio		2:1	

NOTE: Test data supplied at 25°C;  
fundamental rejection and output power.

### OUTLINE DRAWING



- NOTES: 1. Unit's mounting surface shall be attached to a heatsink capable of dissipating the devices power consumption without exceeding the operating temperature limits.  
2. All dimensions shown in brackets [ ] are in millimeters.

### MAXIMUM RATINGS

Specification temperature ..... +25°C  
Operating temperature ..... -40 to +65°C  
Storage temperature ..... -65 to +95°C

### ADD SUFFIX TO MODEL NO.

WG  
S

### OPTIONS

WR28 output waveguide  
Single positive supply

