

# ACTIVE 3X FREQUENCY MULTIPLIER (CONT.)

## MODEL: SYS3X3637

### FEATURES

- High fundamental rejection..... -60 dBc
- Output power..... +15 dBm
- Packaging ..... Hermetically sealed

### ELECTRICAL SPECIFICATIONS

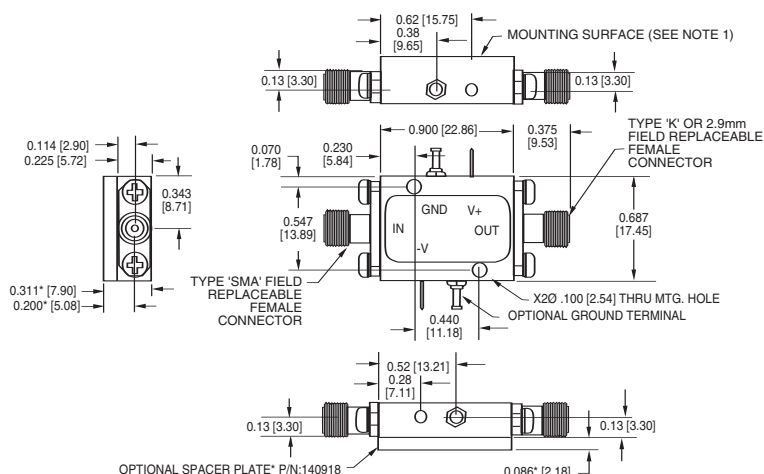
INPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz	12.2		12.5
RF VSWR	50 ohm reference	Ratio		2.1:1	
RF power range		dBm		+13	
V+ bias voltage	@ 200 mA max.	VDC	9		15
V- bias voltage	@ 20 mA max.	VDC	-9		-15
TRANSFER CHARACTERISTICS	CONDITION	UNITS	MIN.	TYP.	MAX.
Output power		dBm	+12	+15	
Fundamental leakage	Input	dBc		-60	-50
Second-harmonic leakage	Input	dBc		-70	
Fourth-harmonic leakage	Input	dBc		-55	
OUTPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz	36.6		37.65
RF VSWR	50 ohm reference	Ratio		2.1:1	

NOTE: Test data supplied at 25°C; fundamental rejection, output power and second-harmonic leakage.

### MAXIMUM RATINGS

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

### 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.

### ADD SUFFIX TO MODEL NO.

WG  
S

### OPTIONS

WR28 output waveguide  
Single positive supply

