

# ACTIVE 3X FREQUENCY MULTIPLIER

**MODEL: SYS3X2327**

## FEATURES

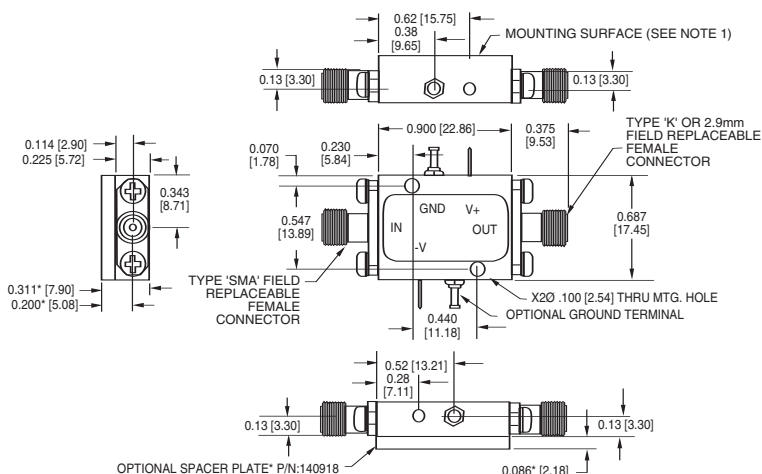
- High fundamental rejection..... -50 dBc
- Output power..... +10 dBm
- Packaging ..... Hermetically sealed

## ELECTRICAL SPECIFICATIONS

INPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz	7.66		9
RF VSWR	50 ohm reference	Ratio		2.5:1	
RF power range		dBm	+3		
V+ bias voltage	@ 180 mA max.	VDC	9		16
TRANSFER CHARACTERISTICS	CONDITION	UNITS	MIN.	TYP.	MAX.
Output power		dBm	+7	+10	
Fundamental leakage	Input	dBc		-50	-30
Second-harmonic leakage	Input	dBc		-35	-15
Fourth-harmonic leakage	Input	dBc		-35	-5
OUTPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz	23		27
RF VSWR	50 ohm reference	Ratio		2.5:1	

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

## 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 (WR42)  
S

## OPTIONS

WR42 output waveguide  
Single positive supply

