

# ACTIVE 2X FREQUENCY MULTIPLIER (CONT.)

## MODEL: SYS2X1224

### FEATURES

- High fundamental rejection..... -70 dBc
- Output power..... +10 dBm
- RF output monitor
- Packaging ..... Hermetically sealed

### ELECTRICAL SPECIFICATIONS

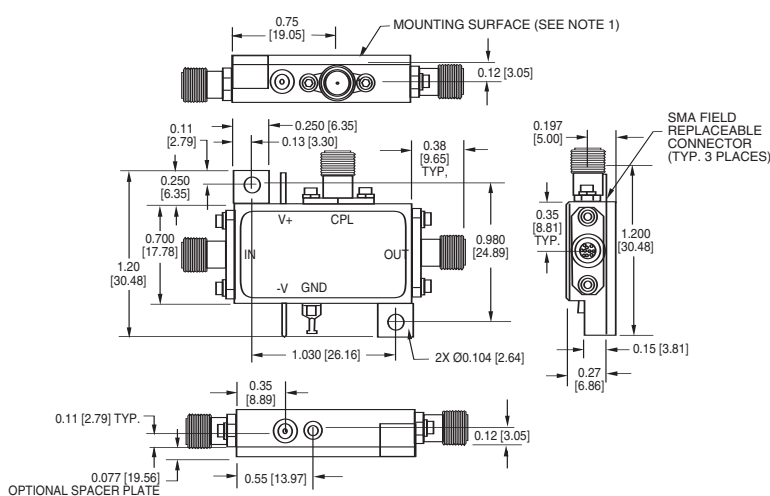
INPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz	11.24		13.24
RF VSWR	50 ohm reference	Ratio		2.5:1	
RF power range		dBm	-5		
V+ bias voltage	@ 250 mA max.	VDC	9		16
V- bias voltage	@ 15 mA max.	VDC	-9		-16
TRANSFER CHARACTERISTICS	CONDITION	UNITS	MIN.	TYP.	MAX.
Output power		dBm	+3	+10	
Fundamental leakage	Input	dBc		-70	-50
OUTPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz	22.48		26.48
RF VSWR	50 ohm reference	Ratio		2.5:1	
RF power		dBm	0		
RF monitor		dBm		-20	

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

### 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 (WR42)  
S

### OPTIONS

WR42 output waveguide  
Single positive supply

