

ACTIVE 2X FREQUENCY MULTIPLIER

MODEL: SYS2X1122

FEATURES

- High fundamental rejection..... -50 dBc
- Output power..... 0 dBm
- RF output monitor
- Packaging Hermetically sealed

ELECTRICAL SPECIFICATIONS

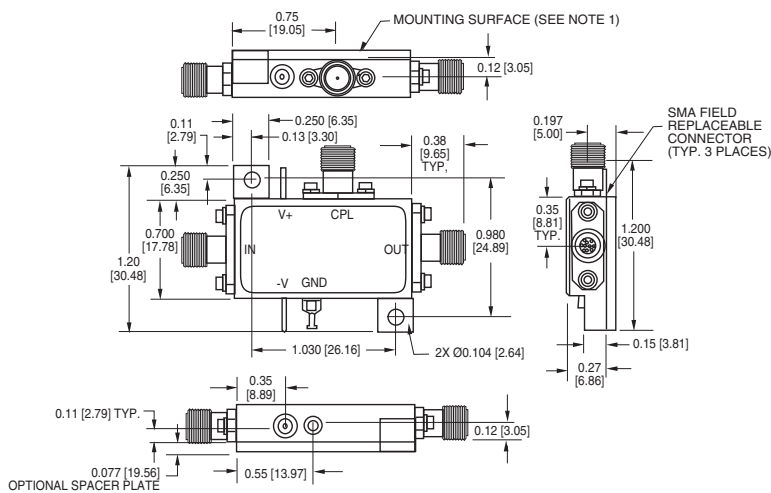
INPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz	9.5		11.5
RF VSWR	50 ohm reference	Ratio		2.5:1	
RF power range		dBm	-5		
V+ bias voltage	@ 250 mA max.	VDC	9		16
V- bias voltage	@ 15 mA max.	VDC	-9		-16
TRANSFER CHARACTERISTICS	CONDITION	UNITS	MIN.	TYP.	MAX.
Output power		dBm	0		
Fundamental leakage	Input	dBc			-50
OUTPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz	19		23
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

