

ACTIVE 2X FREQUENCY MULTIPLIER (CONT.)

MODEL: SYS2X1428

FEATURES

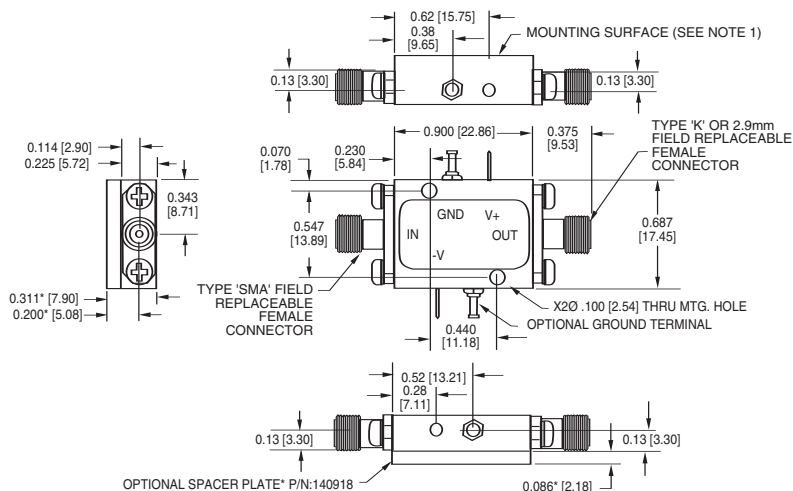
- High fundamental rejection..... -70 dBc
- Output power..... +17 dBm
- Packaging Hermetically sealed

ELECTRICAL SPECIFICATIONS

INPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz		14	
RF VSWR	50 ohm reference	Ratio		2.5:1	
RF power range		dBm		+12	
V+ bias voltage	@ 220 mA max.	VDC	9		16
V- bias voltage	@ 15 mA max.	VDC	-9		-16
TRANSFER CHARACTERISTICS	CONDITION	UNITS	MIN.	TYP.	MAX.
Output power		dBm	+14	+17	
Fundamental leakage	Input	dBc		-70	-60
Third-harmonic leakage	Input	dBc		-60	
OUTPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz		28	
RF VSWR	50 ohm reference	Ratio		2.5:1	

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 (WR28)
S
VH

OPTIONS

WR28 output waveguide
Single positive supply
Very high fundamental rejection (80 dBc)

