

MULTIPLIER PRODUCTS

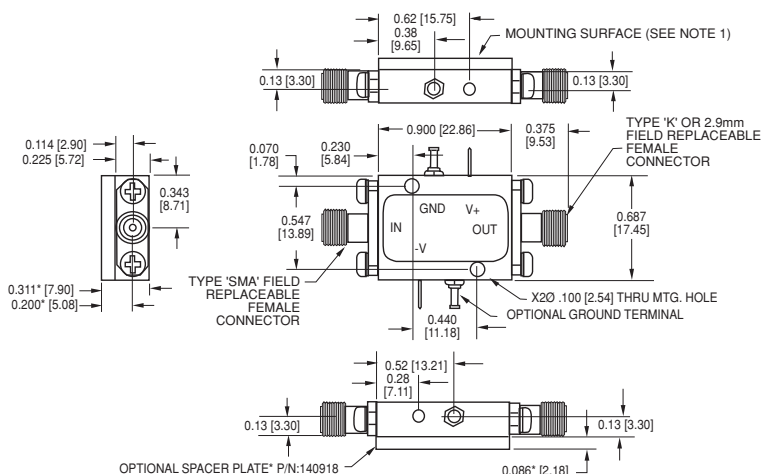
- High fundamental rejection..... -50 dBc
- Output power..... +10 dBm
- Packaging Hermetically sealed

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
V- bias voltage	@ 15 mA max.		-9		-16
TRANSFER CHARACTERISTICS	CONDITION	UNITS	MIN.	TYP.	MAX.
Output power		dBm	+7	+10	
Fundamental leakage	Input	dBc		60	40
Second-harmonic leakage	Input	dBc		50	30
Fourth-harmonic leakage	Input	dBc		50	20
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

