

ACTIVE 5X FREQUENCY MULTIPLIER

MODEL: SYS5J100100

FEATURES

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

ELECTRICAL SPECIFICATIONS

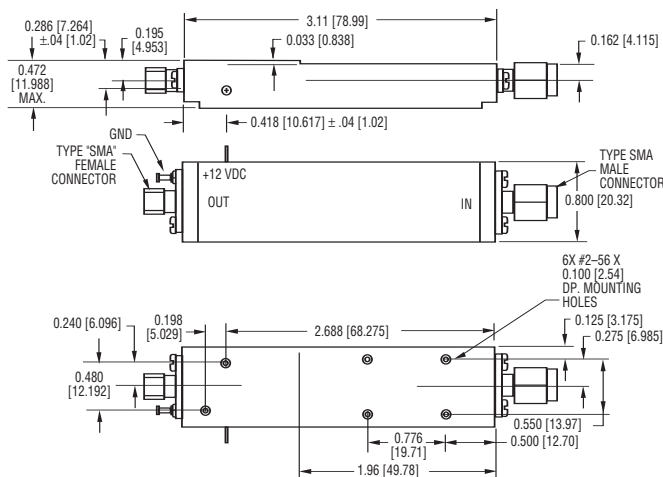
INPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz		2	
RF VSWR	50 ohm reference	Ratio		2.5:1	
RF power range		dBm	+10		
V+ bias voltage	@ 250 mA typ.	VDC	+15		
TRANSFER CHARACTERISTICS	CONDITION	UNITS	MIN.	TYP.	MAX.
Output power		dBm	+10		
Fundamental leakage	Input	dBc		-70	-50
Harmonic leakage	Input	dBc		-70	-50
Spurious	980–1020 MHz	dBc		-80	-60
OUTPUT PARAMETERS	CONDITION	UNITS	MIN.	TYP.	MAX.
RF frequency range		GHz		10	
RF VSWR	50 ohm reference	Ratio		2:1	

NOTE: Test data supplied at 25°C;
fundamental and harmonic leakage and output power.

MAXIMUM RATINGS

Specification temperature..... +25°C
Operating temperature 0 to +40°C
Storage temperature..... -65 to +125°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.

