

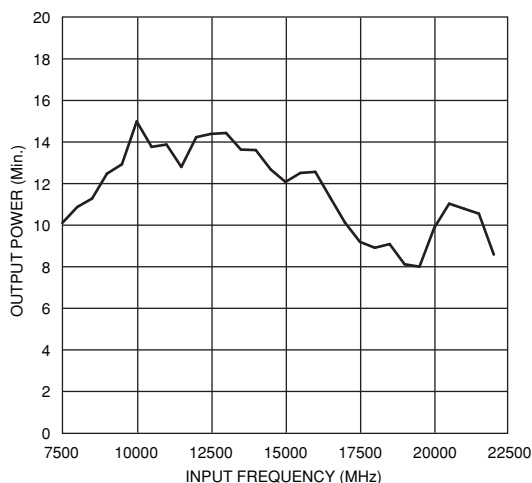
ACTIVE FREQUENCY DOUBLERS (CONT.)

MODEL: SYS2J150450

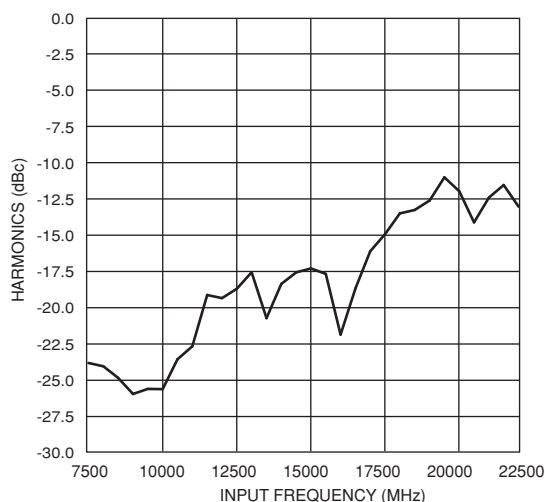
ELECTRICAL SPECIFICATIONS

Input frequency range	7.5 – 22 GHz minimum
Output frequency range	15 – 45 GHz minimum
Requires regulated	-5 V, 50 mA +15 V, 220 mA
Input power range	3 dBm nominal
Output power	5 dBm minimum
Harmonic rejection	
Fundamental	-20 dB typical
Odd harmonic	-20 dB typical

CONVERSION GAIN VS. FREQUENCY

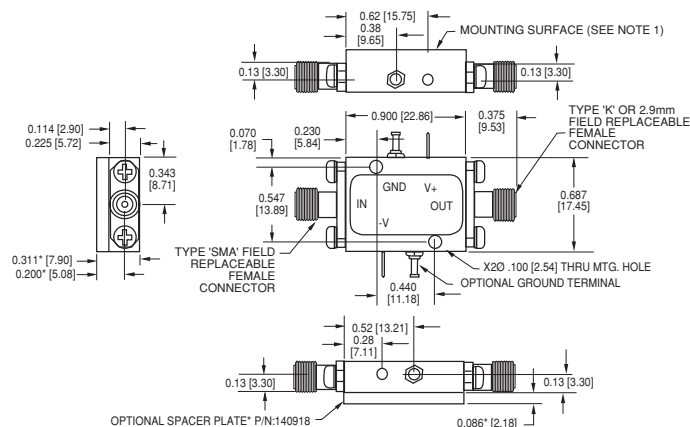


FUNDAMENTAL REJECTION VS. FREQUENCY



OUTLINE DRAWING

140904



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. Refer to the actual device specification sheet for bias requirements. Negative bias input voltage (v-) may not be included on certain models.
3. Unless noted on the specification sheet, when negative bias is required, do not power the unit with positive bias for more than one second without the negative bias being applied.
4. All dimensions shown in brackets [] are in millimeters.