

FREQUENCY DOUBLER

SURFACE MOUNT MODEL: SMX-C6

WIDE BANDWIDTH

50 - 1000 MHz

FEATURES:

- ▶ Low Conversion Loss
- ▶ Good Harmonic & Sub-Harmonic Rejection
- ▶ Small Size, Surface Mount



SPECIFICATIONS (Rev. B 05/21/10)

Frequency (MHz)	Input	50 - 1000	
	Output	100 - 2000	
Input Power (dBm)	Min.	Max.	
	+10	+20	
Conversion Loss (dB)	Typ.	Max.	
	12.5	16.0	
Harmonic Suppression (dB) *		Typ.	Min.
	F1	20	12
	F3	35	16
Output Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-20 to +70 °C		

* Relative to output frequency

Package #	133
-----------	-----

LAYOUT FOR PRINTED CIRCUIT DESIGN.

Port Configuration		
Input	Output	Gnd. *
1	2	All Others

* Ground Externally

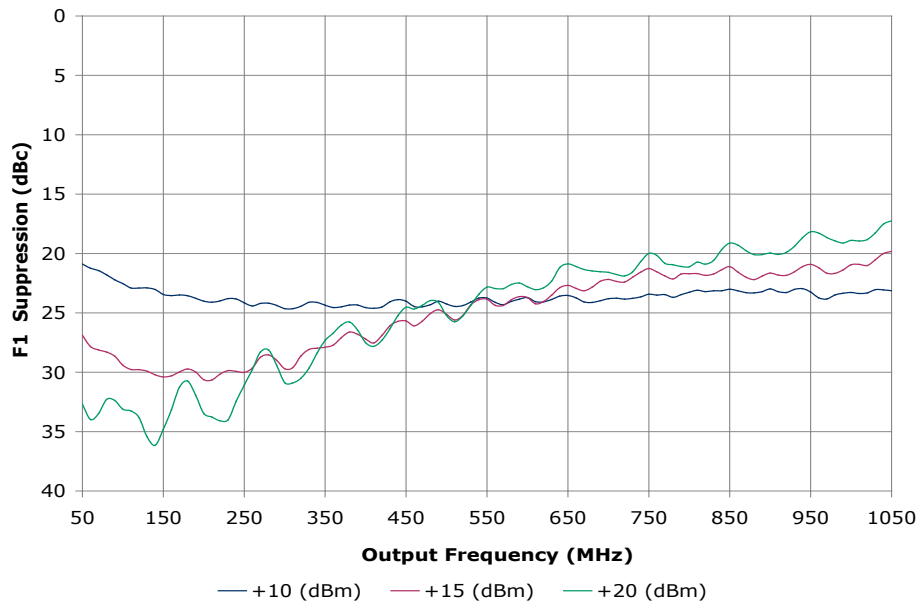
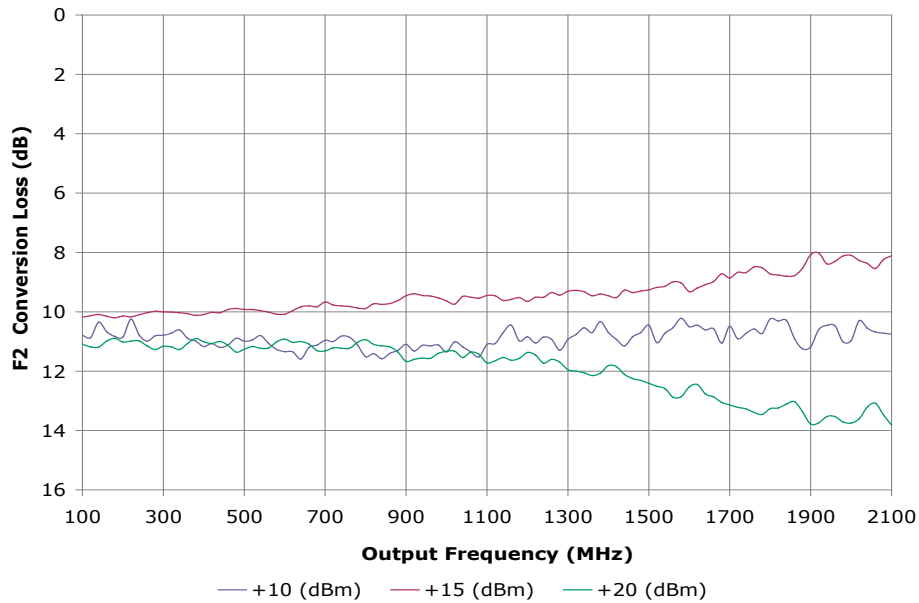
FREQUENCY DOUBLER

SURFACE MOUNT MODEL: SMX-C6

WIDE BANDWIDTH

50 - 1000 MHz

PERFORMANCE PLOTS

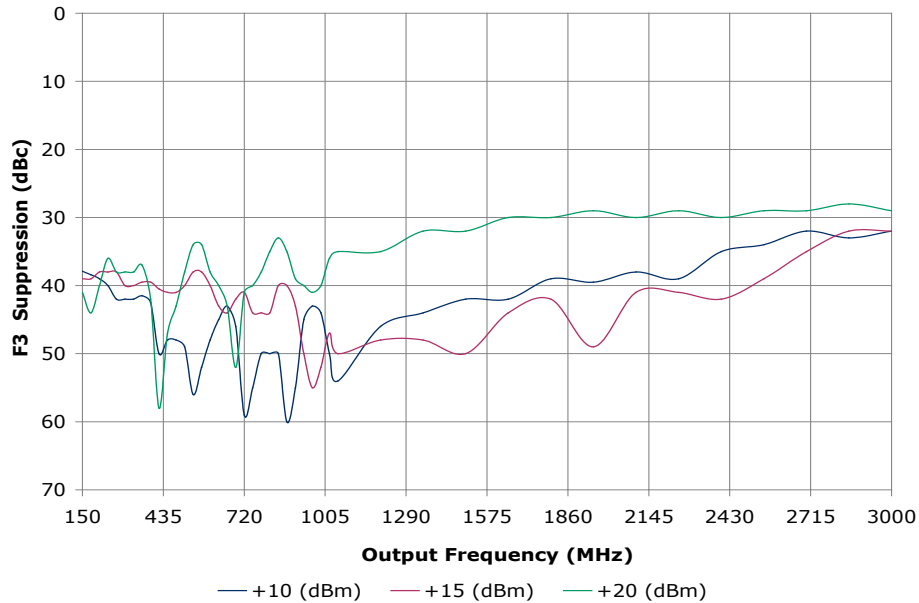


FREQUENCY DOUBLER

SURFACE MOUNT MODEL: SMX-C6

WIDE BANDWIDTH

50 - 1000 MHz



PERFORMANCE PLOTS