

FREQUENCY DOUBLER

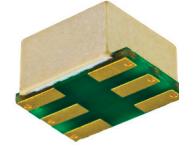
SURFACE MOUNT MODEL: SLX-K5

WIDE BANDWIDTH

50 - 750 MHz

FEATURES:

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



SPECIFICATIONS (Rev. C 09/18/18)

Frequency (MHz)	Input	50 - 750	
	Output	100 - 1500	
Input Power (dBm)	Min.	Max.	
	+6	+15	
Conversion Loss (dB)	Typ.	Max.	
	10.5	13.5	
Harmonic Suppression (dB) *		Typ.	Min.
	F1	25	15
	F3	35	20
Output Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

* Relative to output frequency

Package #	159LF
-----------	-------

TOP VIEW

SIDE VIEW

BOTTOM VIEW

LAYOUT FOR PRINTED CIRCUIT DESIGN.

REL-PRO PATENT NO. 7,612,296

TOLERANCES ON THREE DECIMAL PLACES = ± 0.015
PACKAGE MOUNTING: SEE APPLICATION NOTES AN7200 & AN7301

Port Configuration		
Input	Output	Gnd. *
1	4	2,3,5,6

* Ground Externally

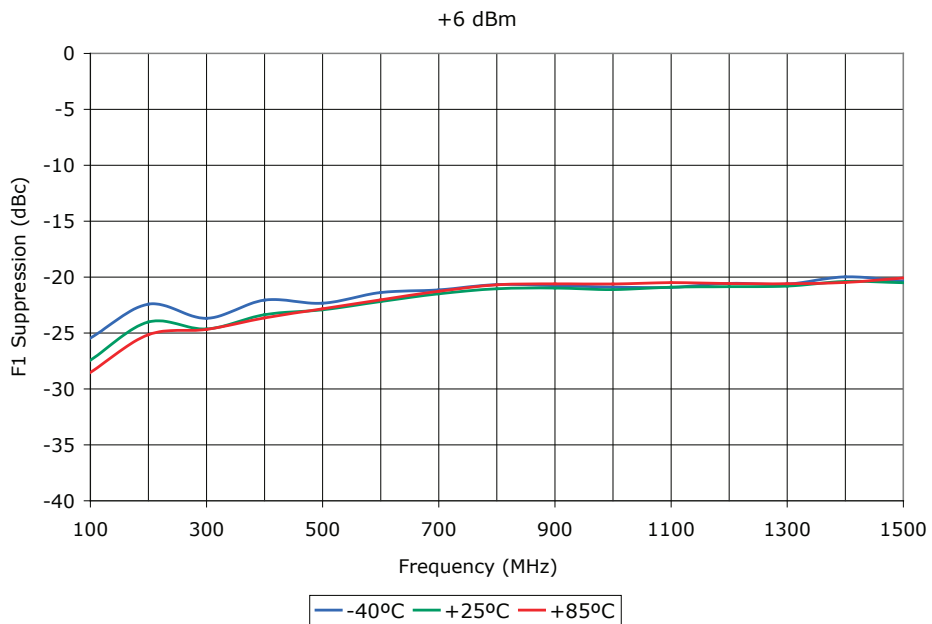
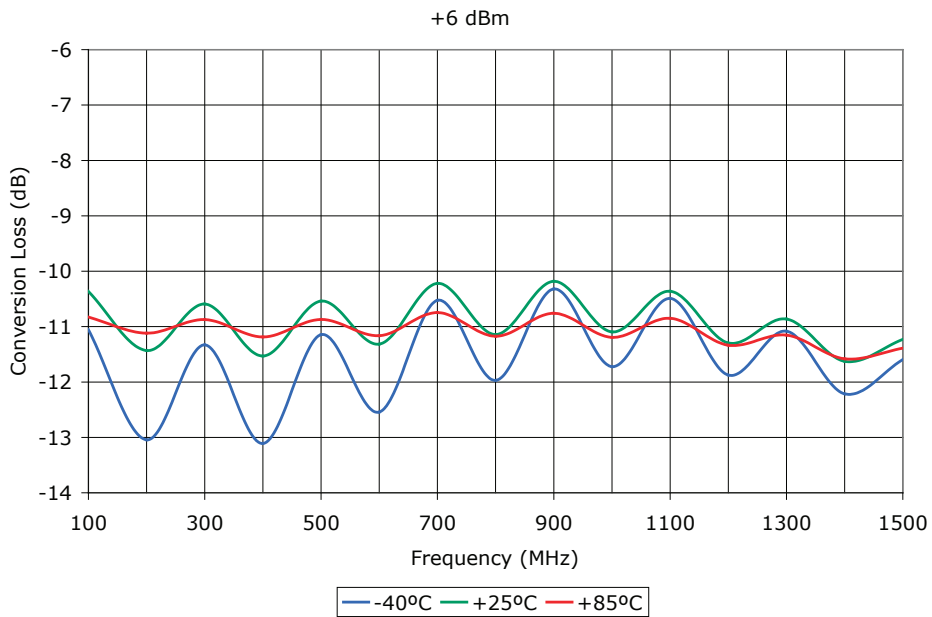
FREQUENCY DOUBLER

SURFACE MOUNT MODEL: SLX-K5

WIDE BANDWIDTH

50 - 750 MHz

PERFORMANCE PLOTS

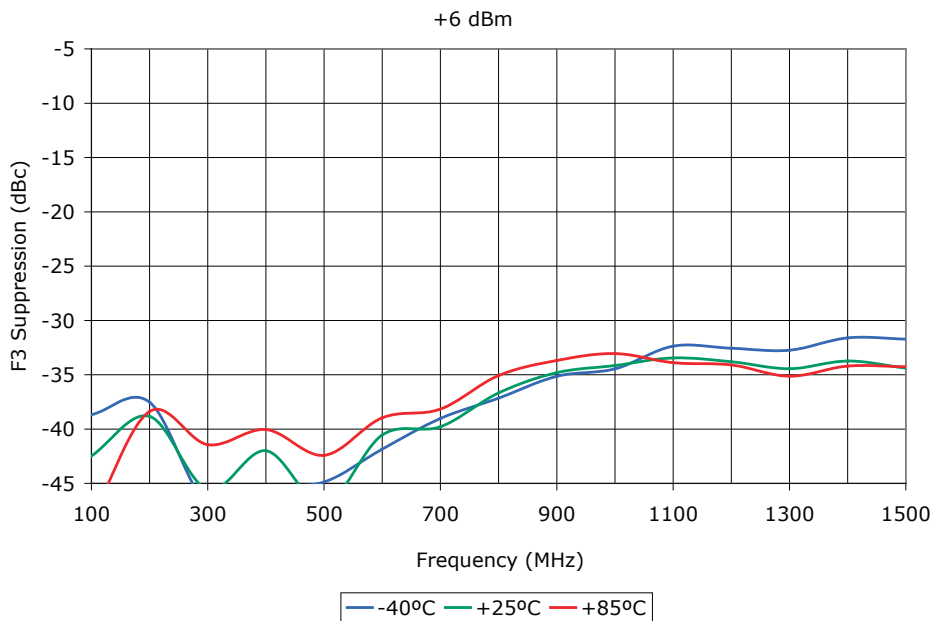


FREQUENCY DOUBLER

SURFACE MOUNT MODEL: SLX-K5

WIDE BANDWIDTH

50 - 750 MHz



PERFORMANCE PLOTS

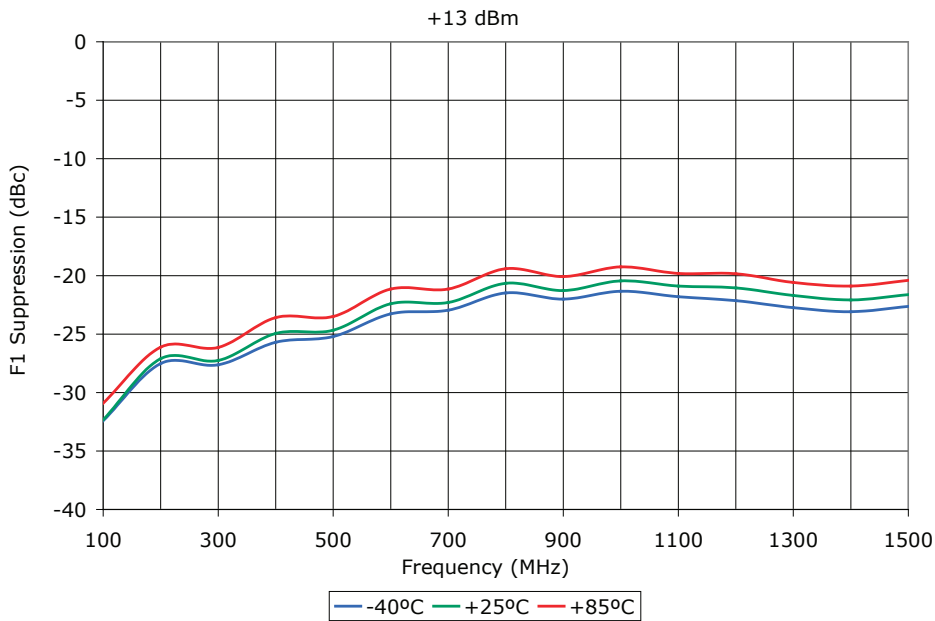
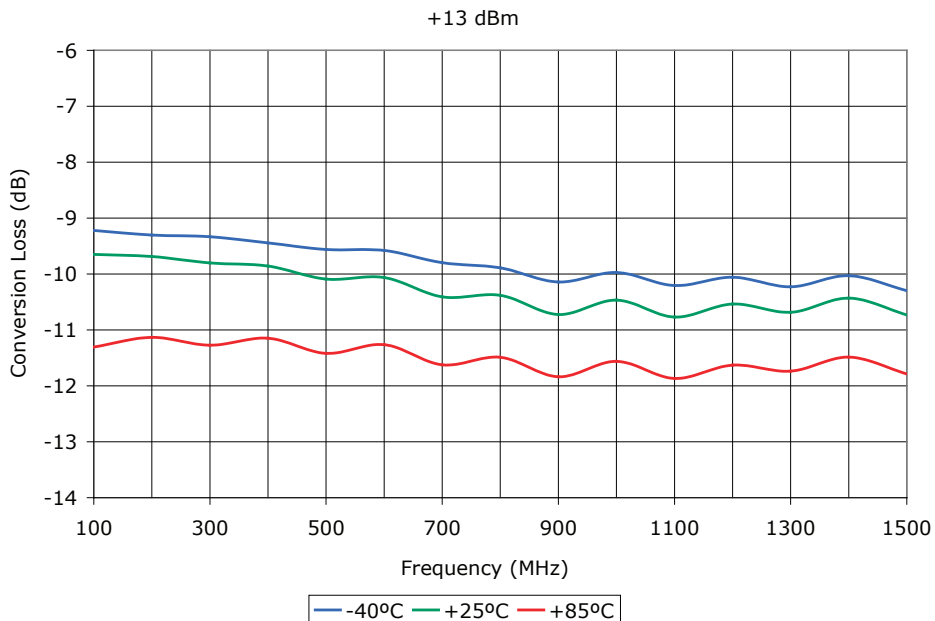
FREQUENCY DOUBLER

SURFACE MOUNT MODEL: SLX-K5

WIDE BANDWIDTH

50 - 750 MHz

PERFORMANCE PLOTS

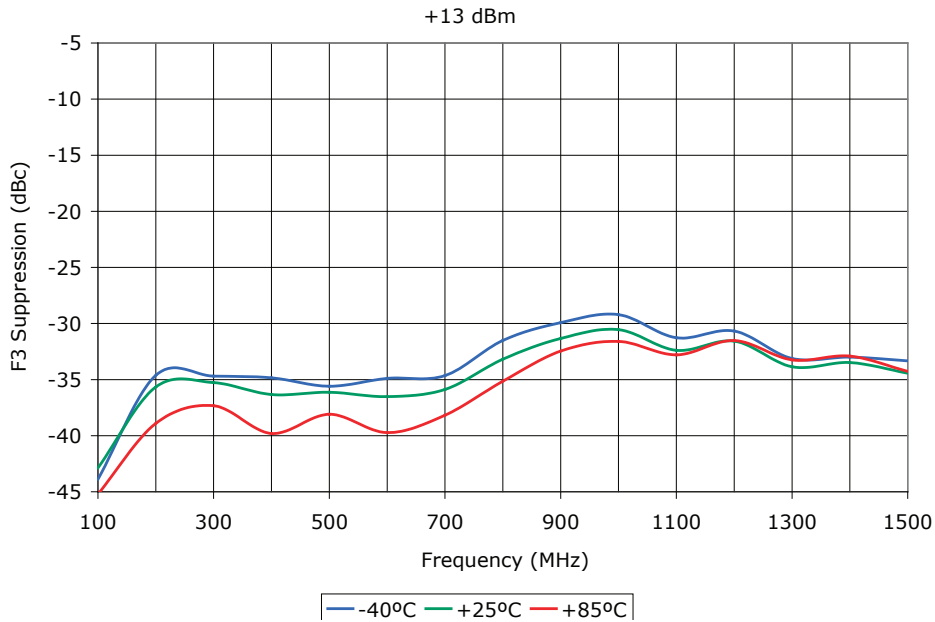


FREQUENCY DOUBLER

SURFACE MOUNT MODEL: SLX-K5

WIDE BANDWIDTH

50 - 750 MHz



PERFORMANCE PLOTS



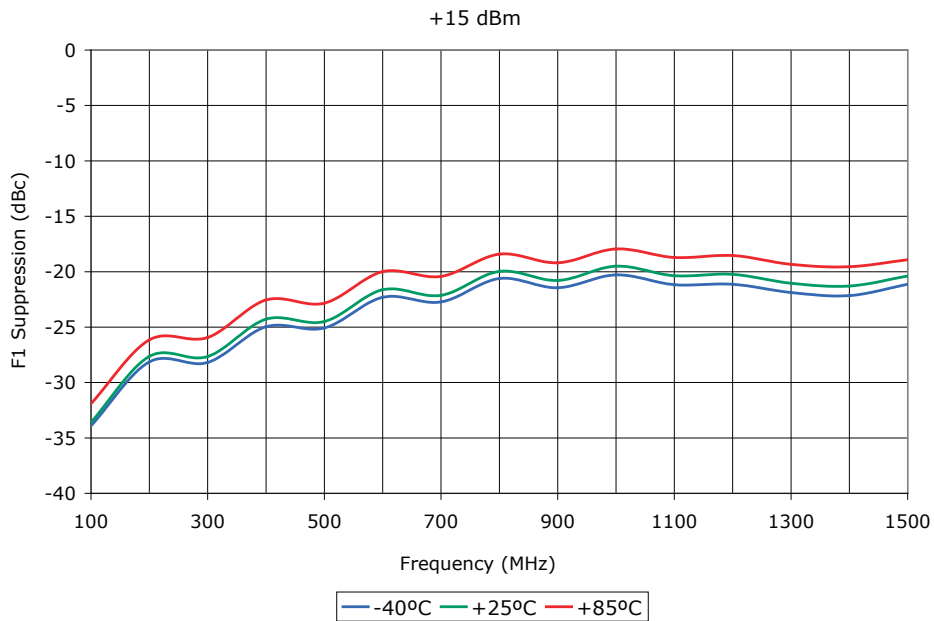
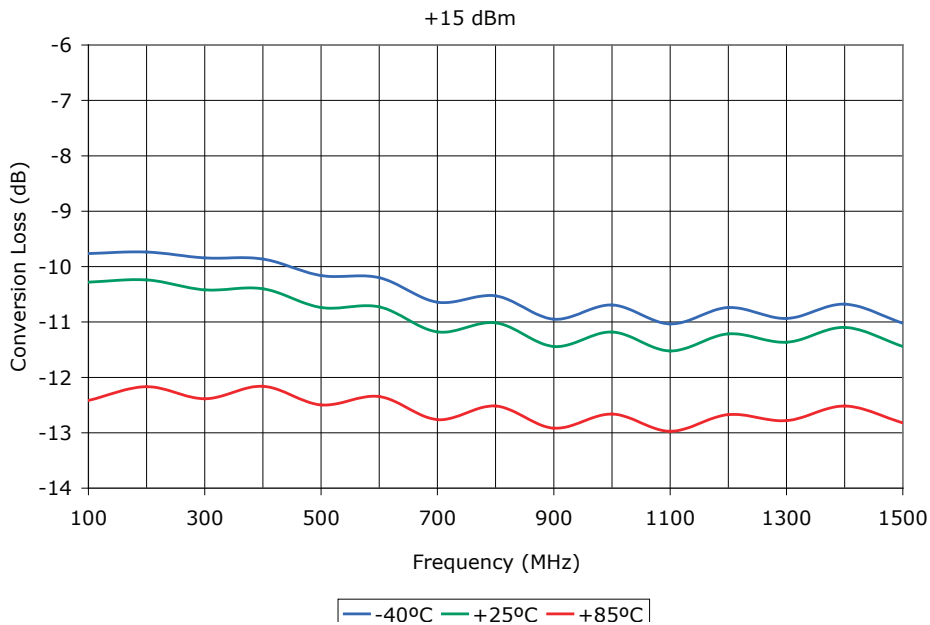
FREQUENCY DOUBLER

SURFACE MOUNT MODEL: SLX-K5

WIDE BANDWIDTH

50 - 750 MHz

PERFORMANCE PLOTS

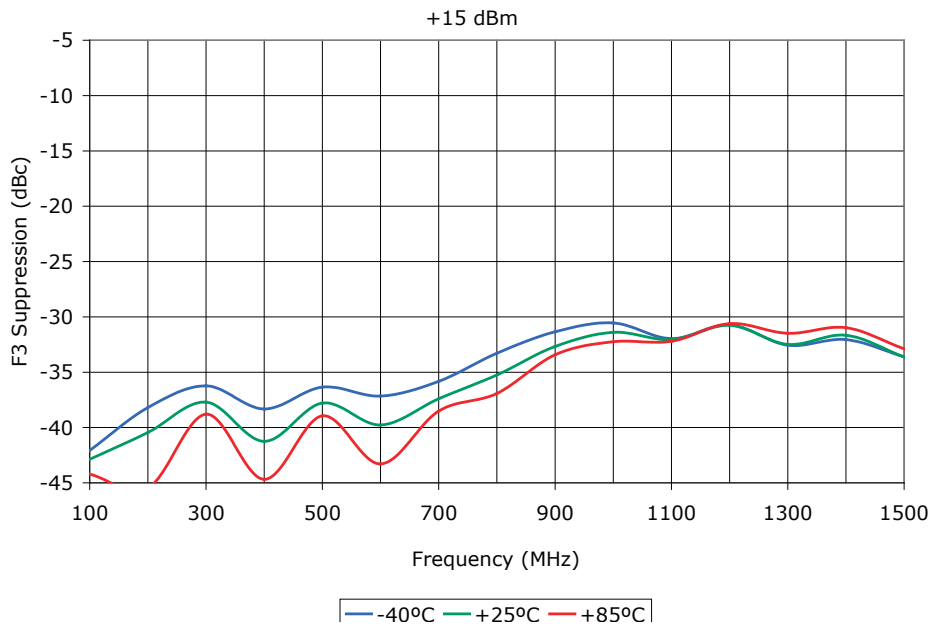


FREQUENCY DOUBLER

SURFACE MOUNT MODEL: SLX-K5

WIDE BANDWIDTH

50 - 750 MHz



PERFORMANCE PLOTS