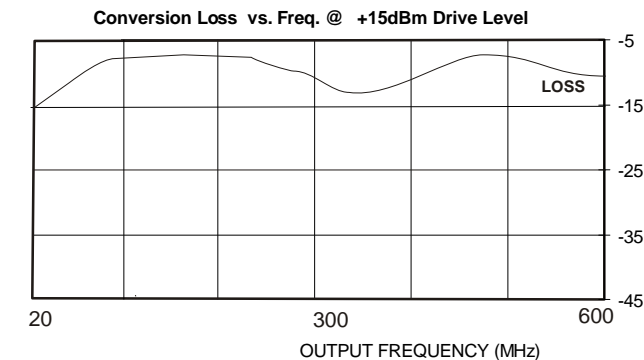


Product Description

DKD Instrument's modular broadband RF frequency doubler's are designed to be a low cost, high performance solutions to new designs or production replacements. The DBL-01 produces RF output frequencies 20 to 600MHz when driven @+12dBm. Typical fundamental suppression is 25dB.

All modular series components are prepackaged in a RF sealed enclosure with SMA connectors for both input and output. .



Features

- **Broadband 20 - 600 MHz Output**
- **Conversion loss 10dB Typical**
- **Small Enclosure**
- **SMA (F) RF Connectors**



Typical Electrical Specifications, $T_A = +25\text{ C}$

Parameter	DRIVE LEVEL		Units
	+12dBm		
Input Frequency Range	10 -300		MHz
Output Frequency Range	20 - 600		MHz
Conversion Loss	<15		dB
Input Return Loss @ 150MHz Input	8		dB
Output Return Loss @ 300Mhz Output	10		dB
Fundamental Suppression (F0) @ Output	20		dB
3F0 Suppression @ Output	30		dB
4F0 Suppression @ Output	30		dB