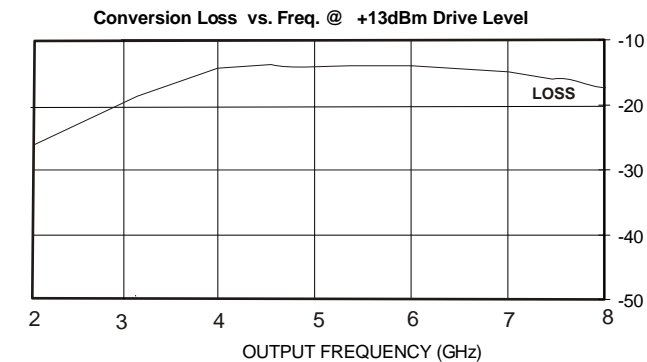


Product Description

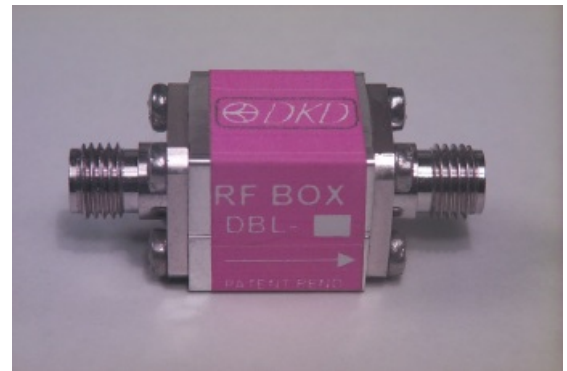
DKD Instrument's modular broadband RF frequency doubler's are designed to be a low cost, high performance solutions to new designs or production replacements. The DBL-06 produces RF output frequencies 4 to 8 GHz when driven @+13dBm. Typical fundamental suppression is 22dB.

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



Features

- **Broadband 4 to 8Ghz Output**
- **Conversion loss 13dB Typical**
- **Small Enclosure**
- **SMA (F) RF Connectors**



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

Parameter	DRIVE LEVEL			Units
	+10dbm	+13dBm	+15dBm	
Input Frequency Range	2.5 - 3.5	2.5 - 3.75	2 -4	GHz
Output Frequency Range	5 -7	5 -7.5	4 -8	GHz
Conversion Loss(Typical)	15	13	13	dB
Input Return Loss @ 3GHz Input		10		dB
Output Return Loss @ 6Ghz Output		10		dB
Fundamental Suppression (F0) @ Output		20		dB
3F0 Suppression @ Output		30		dB
4F0 Suppression @ Output		30		dB