

50Ω Multiply-BY-2, Output 2.6G-7.2GHz

Case PN: 6UDD2W6S1P2

Features:

- Multiply by M: (M = 2)
- Input frequency range: 1.3G-3.6GHz
- Low conversion loss, 11.5 dB typical
- High fundamental & harmonic suppression, F1, 22 dBc typ.; F3, 28 dBc typ.; F4, 24 dBc typ.
- Rugged, shielded case (SMA Connector)

Applications:

- Synthesizers, Local Oscillators
- Cellular, Satellite Communication Systems
- PCS/W-CDMA
- ISM, LTE
- SDR & Ham Radio

**Electrical Specifications**

Multiplication Factor	Freq. (MHz)		Input Power (dBm)		Conversion Loss (dB)		*Harmonic Output (dBc)					
	F1	F2					F1		F3		F4	
	Input	Output	Min.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.
2	1300-2200	2600-4400	9	13	11.5	14.5	22	14	28	16	17	11
	2200-3600	4400-7200	9	13	13	15.5	18	9	28	13	28	16

*Harmonics of input frequency below the power level of F2

Absolute Maximum Ratings

Item	Parameter	Rating	UNITS
1	RF Input Power, 25 °C	100	mW
2	Storage Temperature	-55 to +100	°C
3	Operating Temperature	-40 to +85	°C

Outline Drawing (inch)