

50Ω Multiply-BY-2, Output 1.2G-4.4 GHz

Case PN: 6UDD2W6S1P2

Features:

- Multiply by M: (M = 2)
- Input frequency range: 1.2G-4.4GHz
- Low conversion loss, 11 dB typical
- High fundamental & harmonic suppression, F1, 24 dBc typ.; F3, 30 dBc typ.; F4, 20 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. (GHz)		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	0.6-1.2	1.2-2.4	7	13	11	14	26	18	35	22	16	11
	1.2-2.2	2.4-4.4	10	15	11	14.5	18	11	36	22	25	14

*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)

