

## 50Ω Multiply-BY-2, Output 10G-20 GHz

Case PN: 6UDD2W6S1P2

## Features:

- Multiply by M: (M = 2)
- Input frequency range: 5G-10GHz
- Low conversion loss, 12 dB typical
- High fundamental & harmonic suppression, F1, 30 dBc typ.; F3, 35 dBc typ.; F4, 25 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	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.		
2	5-8	10-16	13	16	11.5	15	30	18	36	23	25	15
			10	13	15	18	21	14	30	18	20	13
	8-10	16-20	13	16	12	15	33	20	27	17	50	35
			10	13	15	18.5	30	16	23	16	40	30

\*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)

