

50Ω Multiply-BY-2, Output 6G-9GHz

Case PN: 6UDD2W6S1A2

Features:

- Multiply by M: (M = 2)
- Input frequency range: 3G-4.5 GHz
- High Output Power: 17 dBm
- Low Input Power Drive: -2 to +6 dBm
- SSB Phase Noise: -140 dBc/Hz
- Rugged, shielded case (SMA Connector)

Applications:

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



Electrical Specifications (Vcc = +5V, 3 dBm Drive Level)

Parameter	Min.	Typ.	Max.	Units
Frequency Range, Input	3.0 – 4.5			GHz
Frequency Range, Output	6 – 9			GHz
Input Power Range	-2		+5	dBm
Output Power	14	17		dBm
Input Return Loss		15		dB
Output Return Loss		12		dB
SSB Phase Noise (100 kHz Offset) Pin = 0 dBm		-140		dBc/Hz
Supply Current (Icc)		90		mA

Absolute Maximum Ratings

Item	Parameter	Rating	UNITS
1	RF Input Power, 25 °C	+13	dBm
2	Vcc	+6	V
3	Storage Temperature	-65 to +150	°C
4	Operating Temperature	-40 to +85	°C

Outline Drawing (inch)

