

**50Ω Multiply-BY-4, Output 14.4G-16.4 GHz**

Case PN: 6UDD2W6S1A2

**Features:**

- Multiply by M: (M = 4)
- Input frequency range: 3.6G-4.1 GHz
- Output Power: 0 dBm
- Sub-Harmonic Suppression: >22 dBc
- 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)**

Parameter	Min.	Typ.	Max.	Units
Frequency Range, Input	3.6 – 4.1			GHz
Frequency Range, Output	14.4 – 16.4			GHz
Input Power Range	-15		+5	dBm
Output Power	-4	0		dBm
Sub-Harmonic Suppression		22		dBc
Input Return Loss		18		dB
Output Return Loss		7		dB
SSB Phase Noise (100 kHz Offset) Pin = 0 dBm		-140		dBc/Hz
Supply Current (Icc)		55	73	mA

**Absolute Maximum Ratings**

Item	Parameter	Rating	UNITS
1	RF Input Power, 25 °C	+20	dBm
2	Vcc	+5.5	V
3	Storage Temperature	-65 to +150	°C
4	Operating Temperature	-40 to +85	°C

**Outline Drawing (inch)**