

**50Ω Multiply-BY-2, Output 13G-24.6 GHz**

Case PN: 6UDD2W6S1A2

**Features:**

- Multiply by M: (M = 2)
- High Output Power: +17 dBm
- Low Input Power Drive: 0 to +6 dBm
- Input frequency range: 6.5G-12.3 GHz
- Fo Isolation: >20 dBc @ Fout = 19 GHz
- 100 kHz SSB Phase Noise: -136 dBc/Hz
- Single Power Supply: +5V @ 88mA
- Rugged, shielded case (SMA Connector)

**Applications:**

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

**Electrical Specifications (Temperature = 25°C, Vcc = +5V, +4 dBm Drive Level)**

Parameter	Min.	Typ.	Max.	Units
Frequency Range, Input	6.5 – 12.3			GHz
Frequency Range, Output	13 - 24.6			GHz
Input Power Range	0		+6	dBm
Output Power	14	17		dBm
Fo Isolation (with respect to output level)		25		dBc
3Fo Isolation (with respect to output level)		25		dBc
Input Return Loss		15		dB
Output Return Loss		12		dB
SSB Phase Noise (100 kHz Offset) Pin = 0 dBm		-136		dBc/Hz
Supply Current (Icc)	70	88	100	mA

- **Absolute Maximum Ratings**

Item	Parameter	Rating	UNITS
1	RF Input Power, 25 °C	+10	dBm
2	Vcc	+5.5	V
3	Storage Temperature	-65 to +150	°C
4	Operating Temperature	-40 to +85	°C



- Outline Drawing (inch)

