

### 5.9 – 7.0 GHz 33 dBm Power Module

#### FEATURES

- P<sub>1</sub> dB: 33 dBm
- Small Signal Gain: 11 dB
- IP3: 42 dBm
- Bias Condition: 750 mA @ 9 V



#### ELECTRICAL SPECIFICATIONS (Ta = 25 °C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
<b>FREQ</b>	Frequency Range	5.9		7.0	GHz
<b>SSG</b>	Small Signal Gain	10	11		dB
<b>GOF</b>	SSG Flatness		± 0.3	± 0.5	dB
<b>P<sub>1</sub> dB</b>	Output Power at 1 dB Gain Compression	32	33		dBm
<b>IP3</b>	Third Order Intercept Point	41	42		dBm
<b>VSWR, IN</b>	Input VSWR		1.5:1	1.8:1	-
<b>VSWR, OUT</b>	Output VSWR		1.5:1	1.8:1	-
<b>VDC</b>	Supply Voltage		9		Volt
<b>Vg</b>	Gate Voltage	-1.6	-0.8	-0.4	Volt
<b>IDC</b>	Current Supply		750	850	mA

**CARRIER: S31 / Z31**