

5.9 – 7.0 GHz 33 dBm Power Module

FEATURES

- P_{-1} dB: 33 dBm
- Small Signal Gain: 11 dB
- IP3: 42 dBm
- Bias Condition: 750 mA @ 9 V



ELECTRICAL SPECIFICATIONS ($T_a = 25^\circ\text{C}$)

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

CARRIER: S31 / Z31