

SSB MODULATOR

SURFACE MOUNT MODEL: SMS-201

10% BANDWIDTH

F_c = 30 MHz

FEATURES:

- ▶ Good Phase & Amplitude Balance
- ▶ Small Size

APPLICATIONS:

- ▶ Wired & Wireless Networks



SPECIFICATIONS (Rev. B 10/27/08)

| | | |
|-----------------------------|----------------|-------------|
| Frequency (MHz) | Carrier | 28.5 - 31.5 |
| | Modulation | DC - 15 |
| Carrier Power Level | +10 dBm (Nom.) | |
| Conversion Loss | 8 dB (Max.) | |
| SSB Rejection | 30 dB (Min.) | |
| LO/RF Isolation | 45 dB (Min.) | |
| Input 1 dB Comp. Pt. | 0 dBm (Min.) | |
| Input IP3 | +15 dBm (Typ.) | |
| Impedance | 50 Ohms (Nom.) | |
| Operating Temperature Range | -20 to +70 °C | |

Package # 102S

PIN CONFIGURATION

| Carrier | SSB Output | Mod. 1 | Mod. 2 | GND. |
|---------|------------|--------|--------|------------|
| 8 | 1 | 3 | 4 | All Others |

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PERFORMANCE PLOTS

