

8.9 TO 9.4 GHz, TWO CHANNEL DUAL AMPLIFIER WITH INTEGRATED BI-PHASE MODULATORS

PART NO: 27007170

GENERAL SPECIFICATIONS:

REFER TO SCD ATTACHED FOR DETAIL SPECIFICATIONS

- **FREQUENCY RANGE:** 8.9 to 9.4 GHz
- **VSWR:** 1.3:1 Input (J5) & Output (J1 & J3)
- **OPERATING TEMPERATURE:** 0 to 50°C
- **STORAGE TEMPERATURE:** -62°C to +75°C
- **RF PULSES:** 0.1 μ S to 33.6 μ S (Rep Rates up to 4K PPS)
- **RISE & FALL TIME:** 30nS
- **IMPEDENCE:** 50 Ω
- **RF INPUT POWER:** +0.5mW Min. +5.0mW Max.
- **RF INPUT SURVIVAL:** +10mW Max.
- **RF OUTPUT POWER:** +1.15W Min.
- **RF OUTPUT POWER VARIATION OVER FREQUENCY:** $\leq \pm 0.5$ dB over entire Frequency Range
- **RF OUTPUT POWER VARIATION OVER TEMPERATURE:** -0.038dB/°C Max over Temperature or Phase
- **RF OUTPUT PHASE TRACKING OUTPUT TO OUTPUT:** $\pm 5^\circ$ Max. (Over Frequency @ 0° Phase setting & +45°C)
- **RF OUTPUT PHASE OFFSET OUTPUT TO OUTPUT:** 15° Max (Calculated per SCD Para. 2.1.6.1)
- **NOISE FIGURE:** 10dB Max
- **DESCRETE SPURIOUS:** -60dBc Max. (DC to 12GHz @ RF Output Rated Power)
- **TOTAL SPURIOUS:** -30dBm Max.
- **2nd HARMONIC:** 30dBc Min.
- **DC POWER SUPPLY:** +15VDC $\pm 2\%$ @ 4.0A Max, -15VDC $\pm 2\%$ @ 0.6A Max.
- **SIZE & WEIGHT:** 9.0" x 5.0" X 3.25" @ ≤ 6.0 lb Max. (Including Fins)
- **ENVIRONMENTAL STRESS TESTING PER 53711-WS32884 (Para. 4.4.2 & 4.5)**

