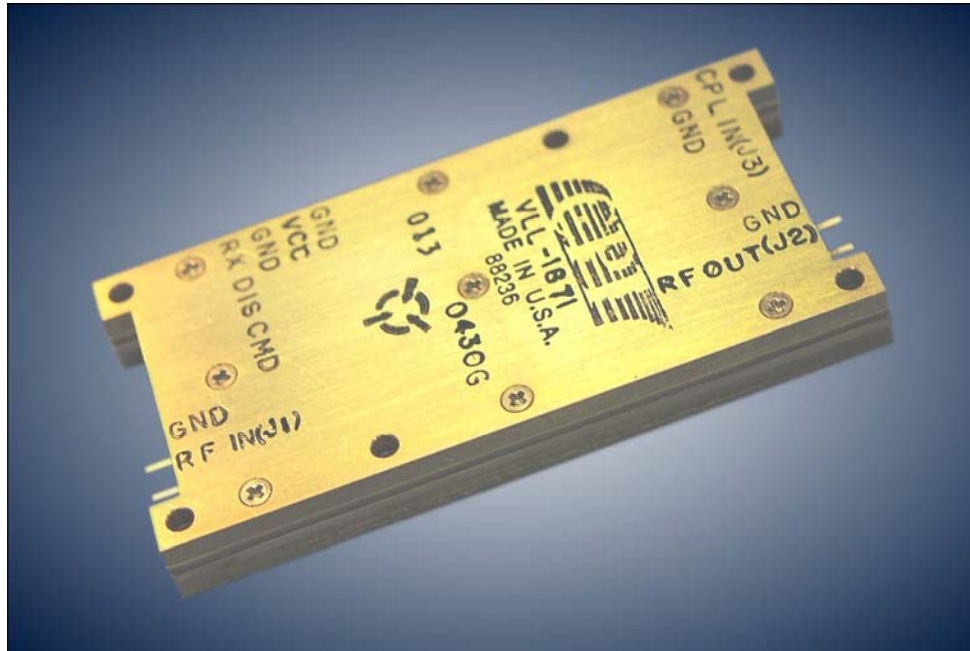


VLL1871 Switch Limiter



Description:

The VLL1871 is a multi-function component consisting of 3 elements: a 40 dB SPST switch, a passive limiter, and a 20 dB directional coupler. All RF ports are coupled through DC blocks.

Features:

- **Freq. Range:** 1070 – 1110 MHz
- **RF Input Power:** 1 Watt CW max
- **Insertion Loss:** 0.5 dB max
- **Return Loss:** 20 dB min
- **Switched Attenuation:** 40 dB min
- **Switching Speed:** 1 μ S max
- **Passive Limiter Leakage:**
 - Spike Power: 500 mW max
 - Flat Power: 40 mW max
- **Recovery Time:** 100 nS max
- **Directional Coupler:** 20 \pm 0.5 dB
- **Coupler Directivity:** 20 dB min
- **RF & DC Connectors:** 0.76 mm Tab
- **DC Supply:** + 3.3 V @ 50 mA max
- **Control Input:** Single ended LVDS logic

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