

# CDB-9009 DOUBLE BALANCED MIXER

## TECHNICAL FEATURE

### FEATURES

- 10 to 2000 MHz

### PERFORMANCE

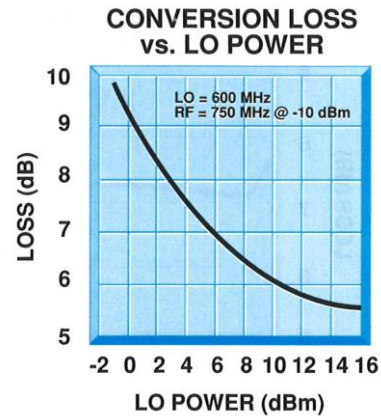
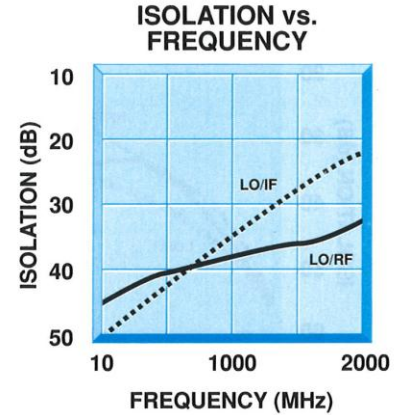
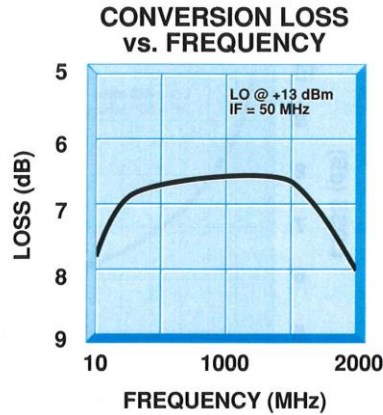
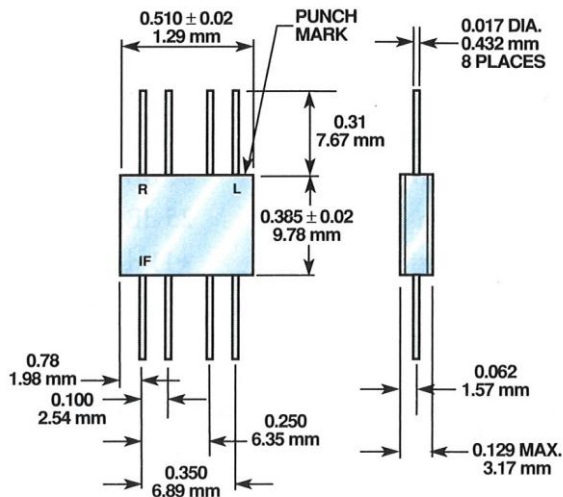
|                                  |                    |
|----------------------------------|--------------------|
| LO/RF Frequency Range.....       | 10 – 2000 MHz      |
| IF Frequency Range .....         | DC-2000 MHz        |
| Conversion Loss.....             | 8.0 dB max         |
| LO/RF Isolation.....             | 30 dB min          |
| LO/IF Isolation .....            | 25 dB min          |
| RF/IF Isolation                  |                    |
| 10 to 1000 MHz .....             | 20 dB min          |
| 1000 to 2000 MHz .....           | 15 dB min          |
| 1 dB Compression point (1) ..... | +6 dBm min (Input) |
| Operating Temperature Range..... | -54 to +85° C      |

Note 1: +13 dBm LO.

### OPERATING CHARACTERISTICS

|                 |                 |
|-----------------|-----------------|
| LO Power.....   | +13 dBm nominal |
| Impedance ..... | 50 Ohms nominal |

### MECHANICAL OUTLINE



### FUNCTIONAL SCHEMATIC

