

## Frequency Mixer

## MCA1-ED12376/1

Level 10 (LO Power + 10 dBm)

### Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



CASE STYLE : DZ885

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| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |                                        |      |      |      |       |
|---------------------------------------|----------------------------------------|------|------|------|-------|
| Parameter                             |                                        | Min. | Typ. | Max. | Units |
| Frequency                             | LO (f <sub>L</sub> to f <sub>U</sub> ) | 1160 |      | 3000 | MHz   |
|                                       | RF (f <sub>L</sub> to f <sub>U</sub> ) | 1160 |      | 3000 | MHz   |
|                                       | IF                                     | 130  |      | 850  | MHz   |
| Conversion Loss                       | Total Range                            |      | 7.7  |      | dB    |
| LO-RF Isolation                       |                                        |      | 43   |      | dB    |
| LO-IF Isolation                       |                                        |      | 20   |      | dB    |
| Input IP3                             |                                        |      | +19  |      | dBm   |
| 1 dB Compression                      |                                        |      | +5   |      | dBm   |

| MAXIMUM RATINGS       |                 |
|-----------------------|-----------------|
| Operating Temperature | -40°C to 85°C   |
| Storage Temperature   | -55°C to +100°C |

| PIN CONNECTIONS |               |
|-----------------|---------------|
| LO              | 10            |
| RF              | 5             |
| IF              | 3             |
| GROUND          | 1,2,4,6,7,8,9 |