

## Frequency Mixer

## MWJ-ED16140/1

Level 17 (LO Power +17 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.

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CASE STYLE : 99-01-1410

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |                                        |      |      |      |       |
|---------------------------------------|----------------------------------------|------|------|------|-------|
| Parameter                             |                                        | Min. | Typ. | Max. | Units |
| Frequency                             | LO (f <sub>L</sub> to f <sub>U</sub> ) | 425  |      | 575  | MHz   |
|                                       | RF (f <sub>L</sub> to f <sub>U</sub> ) | 330  |      | 480  | MHz   |
|                                       | IF                                     | 10   |      | 150  | MHz   |
| Conversion Loss                       | Total Range                            |      | 7.8  |      | dB    |
| LO-RF Isolation                       |                                        |      | 48   |      | dB    |
| LO-IF Isolation                       |                                        |      | 45   |      | dB    |
| Input IP3                             |                                        |      | +32  |      | dBm   |
| 1 dB Compression                      |                                        |      | +23  |      | dBm   |

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

| PIN CONNECTIONS |                                               |
|-----------------|-----------------------------------------------|
| LO              | 13                                            |
| RF              | 21                                            |
| IF              | 2                                             |
| OPEN            | 10                                            |
| GROUND          | 1,3,4,5,6,7,8,9,11,12,14,15,16,17,18,19,20,22 |

### Electrical Schematic

