

## Frequency Mixer

## ADE-ED6909/2

Level 7 (LO Power +7 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.



Please click "Back", and then click "Contact Us" for Applications support.

**CASE STYLE : CD542**

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |               |      |      |      |       |
|---------------------------------------|---------------|------|------|------|-------|
| Parameter                             |               | Min. | Typ. | Max. | Units |
| Frequency                             | LO (fL to fU) | 10   |      | 1600 | MHz   |
|                                       | RF (fL to fU) | 10   |      | 1600 | MHz   |
|                                       | IF            | 10   |      | 900  | MHz   |
| Conversion Loss                       | mid band      |      | 6.3  |      | dB    |
|                                       | Total Range   |      | 6.4  |      | dB    |
| LO-RF Isolation                       | Low Range     |      | 64   |      | dB    |
|                                       | Mid Range     |      | 47   |      | dB    |
|                                       | Upper Range   |      | 31   |      | dB    |
| LO-IF Isolation                       | Low Range     |      | 68   |      | dB    |
|                                       | Mid Range     |      | 46   |      | dB    |
|                                       | Upper Range   |      | 26   |      | dB    |

**Note:** Low Range = [fL to 10fL]      Mid Range = [10fL to fU/2]      Upper Range = [fU/2 to fU]  
mid band = [2fL to fU/2]

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

| PIN CONNECTIONS |         |
|-----------------|---------|
| LO              | 6       |
| RF              | 4       |
| IF              | 3       |
| GROUND          | 1, 2, 5 |