Engineering Development Model

Frequency Mixer

ADE-ED12873/7

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.



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

CASE STYLE: CD542

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C | | | | | | |
|---------------------------------------|----------------------|------|--------|------|-------|--|
| Parameter | | Min. | Тур. | Max. | Units | |
| Frequency | LO (f∟ to f∪) | 10 | | 1000 | MHz | |
| | RF (f∟ to f∪) | 10 | | 1000 | MHz | |
| | IF | 10 |] | 1000 | MHz | |
| Conversion Loss | mid band | | 5.9 | | dB | |
| | Total Range | | 6.4 | | dB | |
| LO-RF Isolation | Low Range | | 68 | | dB | |
| | Mid Range | | 45 | | dB | |
| | Upper Range | | 36 | | dB | |
| LO-IF Isolation | Low Range | | 55 | | dB | |
| | Mid Range | | 32 | | dB | |
| | Upper Range | | 22 | | dB | |
| Input IP3 | · | | +16.65 | · | dBm | |
| 1 dB Compression | | | +5 | | dBm | |

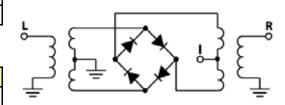
Note: Low Range = [fL to 10fL] mid band = [2fL to fu/2]

Mid Range = [10fL to fu/2]

Upper Range = [fu/2 to fu]

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

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



Electrical Schematic