

# Frequency Mixer

## ZX05-ED12902/4

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.



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CASE STYLE : FL905

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |                                        |      |      |      |       |
|---------------------------------------|----------------------------------------|------|------|------|-------|
| Parameter                             |                                        | Min. | Typ. | Max. | Units |
| Frequency                             | LO (f <sub>L</sub> to f <sub>U</sub> ) | 750  |      | 6000 | MHz   |
|                                       | RF (f <sub>L</sub> to f <sub>U</sub> ) | 750  |      | 6000 | MHz   |
|                                       | IF                                     | 10   |      | 1500 | MHz   |
| Conversion Loss                       | Total Range                            |      | 6.9  |      | dB    |
| LO-RF Isolation                       |                                        |      | 28   |      | dB    |
| LO-IF Isolation                       |                                        |      | 21   |      | dB    |
| Input IP3                             |                                        |      | +14  |      | dBm   |
| 1 dB Compression                      |                                        |      | +3   |      | dBm   |

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

| COAXIAL CONNECTIONS |   |
|---------------------|---|
| LO                  | 2 |
| RF                  | 3 |
| IF                  | 1 |

### Electrical Schematics

