

## Frequency Mixer

## SYM-ED14712/2

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 : 99-01-1114

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |                                        |      |      |      |       |
|---------------------------------------|----------------------------------------|------|------|------|-------|
| Parameter                             |                                        | Min. | Typ. | Max. | Units |
| Frequency                             | LO (f <sub>L</sub> to f <sub>U</sub> ) | 610  |      | 3920 | MHz   |
|                                       | RF (f <sub>L</sub> to f <sub>U</sub> ) | 420  |      | 3730 | MHz   |
|                                       | IF                                     | 100  |      | 600  | MHz   |
| Conversion Loss                       | Mid Range                              |      | 7.5  |      | dB    |
|                                       | Total Range                            |      | 8.0  |      | dB    |
| LO-RF Isolation                       |                                        |      | 35   |      | dB    |
| LO-IF Isolation                       |                                        |      | 33   |      | dB    |
| Input IP3                             |                                        |      | +24  |      | dBm   |
| 1 dB Compression                      |                                        |      | +14  |      | dBm   |

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

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