

# Frequency Mixer

## MBA-EE7756/3

Level 4 (LO Power +4 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 : SM2**

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |                                        |      |      |      |       |
|---------------------------------------|----------------------------------------|------|------|------|-------|
| Parameter                             |                                        | Min. | Typ. | Max. | Units |
| Frequency                             | LO (f <sub>L</sub> to f <sub>U</sub> ) | 1765 |      | 3800 | MHz   |
|                                       | RF (f <sub>L</sub> to f <sub>U</sub> ) | 1765 |      | 3800 | MHz   |
|                                       | IF                                     | 0.1  |      | 1000 | MHz   |
| Conversion Loss                       |                                        |      | 6.6  |      | dB    |
| LO-RF Isolation                       |                                        |      | 25   |      | dB    |
| LO-IF Isolation                       |                                        |      | 15   |      | dB    |

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

| PIN CONNECTIONS |                     |
|-----------------|---------------------|
| LO              | 10                  |
| RF              | 5                   |
| IF              | 3                   |
| GROUND          | 1, 2, 4, 6, 7, 8, 9 |