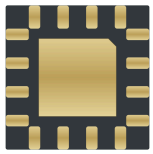
# 2000–6000 MHz Packaged RF Equalizer — ΔIL 5.5 dB; IL -1 → -6.5 dB (typical)

LCEQ-2000-6000-C · 2000–6000 MHz · Packaged RF Equalizer.



The RF table specifies: Equalization magnitude 5.5 dB (typical); Insertion loss at lower band edge -1 dB (typical) @ 2000 MHz; Insertion loss at upper band edge -6.5 dB (typical) @ 6000 MHz. RF test conditions: TA = +25 °C.

QFN16 2.5 × 2.5 mm

The RF ports require external DC-blocking capacitors.

T_peak ≤ 260 °C

RF: 2, 11

GND: 1, 3, 10, 12

NC: 4, 5, 6, 7, 8, 9, 13, 14, 15, 16

Package outline dimensions: 2.5 × 2.5 × 0.75 mm.

## RF characteristics

TA = +25 °C

| Parameter | Symbol | Minimum | Typical | Maximum | Value | Unit |
|---|---|---|---|---|---|---|
| Operating frequency | f | 2000 | - | 6000 | - | MHz |
| Insertion loss at lower band edge | - | - | -1 | - | f = 2000 MHz | dB |
| Insertion loss at upper band edge | - | - | -6.5 | - | f = 6000 MHz | dB |
| Equalization magnitude | - | - | 5.5 | - | - | dB |
| Input/output VSWR | - | - | 1.2 | - | - | - |

## Absolute limits

Absolute limits; these are not normal operating targets.

| Parameter | Symbol | Minimum | Typical | Maximum | Unit |
|---|---|---|---|---|---|
| Maximum input power | - | - | - | 30 | dBm |
| Storage temperature | - | -65 | - | 150 | °C |
| Operating temperature | - | -55 | - | 125 | °C |

## Package outline dimensions

| Parameter | Value | Unit |
|---|---|---|
| Package outline dimensions | 2.5 × 2.5 × 0.75 | mm |

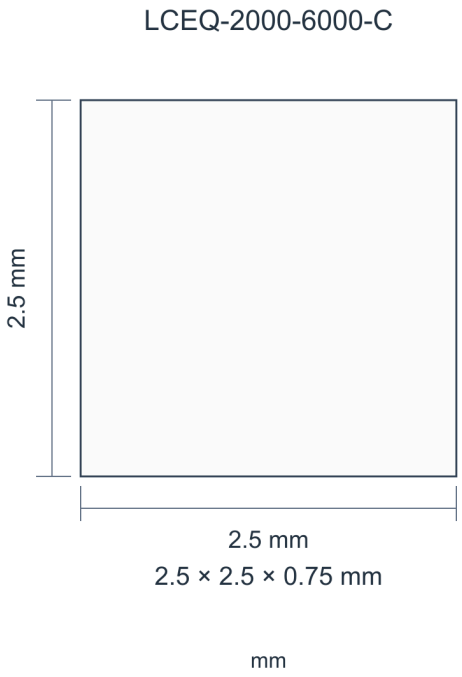
**Current publication record** · 1.3 · 2026-11-12. Product description or editorial content updated. Replaces revision 1.2.

## Integration notes

QFN16 2.5 × 2.5 mm The RF ports require external DC-blocking capacitors. T_peak ≤ 260 °C RF: 2, 11 GND: 1, 3, 10, 12 NC: 4, 5, 6, 7, 8, 9, 13, 14, 15, 16

## Mechanical Outline

Reference drawing showing selected dimensions in mm. Use the complete installation drawing for mounting.




**Document notice**

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.