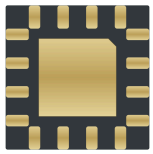
8000–12000 MHz Packaged RF Equalizer — ΔIL 2 dB; IL -3.1 → -1.1 dB (typical)

LCEQ-8000-12000-C · 8000–12000 MHz · Packaged RF Equalizer.



The RF table specifies: Equalization magnitude 2 dB (typical); Insertion loss at lower band edge -3.1 dB (typical) @ 8000 MHz; Insertion loss at upper band edge -1.1 dB (typical) @ 12000 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	8000	-	12000	-	MHz
Insertion loss at lower band edge	-	-	-3.1	-	f = 8000 MHz	dB
Insertion loss at upper band edge	-	-	-1.1	-	f = 12000 MHz	dB
Equalization magnitude	-	-	2	-	-	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

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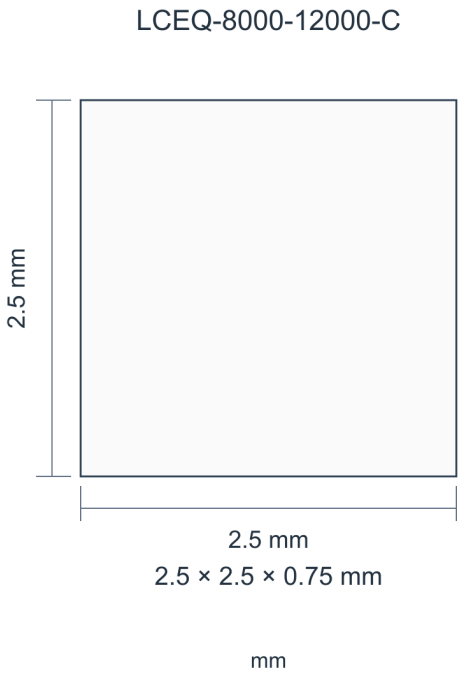
Integration notes

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.