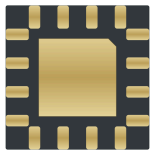
DC–40000 MHz Packaged RF Crossover — ISO 30 dB (typical)

LCXOV-DC-40000-C · DC–40000 MHz · Packaged RF Crossover.

The RF table specifies: Insertion loss -1.4 dB (typical); Isolation 30 dB (typical). RF test conditions: TA = +25 °C.

QFN16 2.5 × 2.5 mm



The RF ports require external DC-blocking capacitors.

RF1 ↔ RF2; RF3 ↔ RF4

T_peak ≤ 260 °C

RF1: 2

RF2: 6

RF3: 10

RF4: 14

NC: 1, 3, 4, 5, 7, 8, 9, 11, 12, 13, 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	DC	-	40000	DC–40000	MHz
Insertion loss	-	-	-1.4	-	-	dB
Isolation	-	-	30	-	-	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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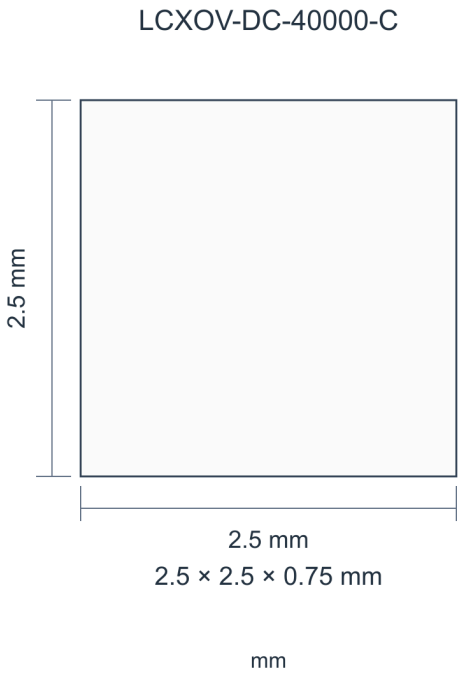
Integration notes

QFN16 2.5 × 2.5 mm The RF ports require external DC-blocking capacitors. RF1 ↔ RF2; RF3 ↔ RF4 T_peak ≤ 260 °C RF1: 2 RF2: 6 RF3: 10 RF4: 14 NC: 1, 3, 4, 5, 7, 8, 9, 11, 12, 13, 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.