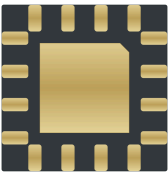


100–20000 MHz RF Switch IC — SP3T; TTL

100–20000 MHz; SP3T; Insertion loss -3.1 dB (typical); Isolation 50 dB (typical).



RF characteristics · TA = +25 °C

Parameter	Symbol	Minimum	Typical	Maximum	Value	Unit
Operating frequency	f	100	-	20000	100–20000	MHz
Insertion loss	IL	-	-3.1	-	-	dB
Isolation	ISO	-	50	-	-	dB
Input/output VSWR (on)	-	-	1.14	-	-	-
Input/output VSWR (off)	-	-	1.4	-	-	-

DC bias and current · TA = +25 °C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Notes
Negative supply voltage	-	-5.3	-5	-4.7	V	-
Negative-supply quiescent current	-	-	0.003	-	A	-
Input drive current	-	-	0.0002	-	A	VIH = 5 V; TTL
High-level input voltage	-	4	-	5	V	-
Low-level input voltage	-	0	-	0.4	V	-

Package outline dimensions

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

Current publication record · 1.1 · 2026-10-23. Specification tables updated. Replaces revision 1.0.

Integration notes

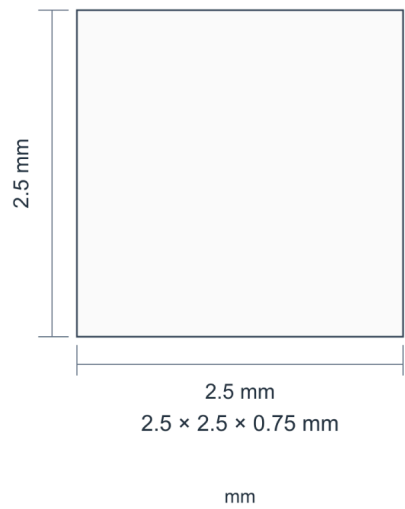
QFN16 2.5 × 2.5 mm The RF ports require external DC-blocking capacitors. T_{peak} ≤ 260 °C RFin: 2 RF1: 12 RF2: 10 RF3: 8 VEE: 4, 16 B1: 5, 15 B2: 6, 14 GND: 1, 3, 7, 9, 11, 13

Mechanical reference scope

Partial guide in mm showing only source-proven dimensions. Not a complete installation drawing.

Mechanical Outline

LCI-SW-100-20000-SP3T-C



All dimensions are in mm [in].

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.