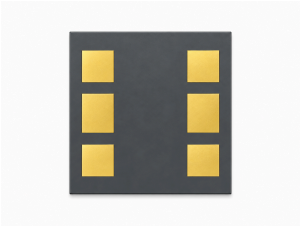
10 pF GaAs capacitor die

LCCAP-C10PF — 10 pF GaAs capacitor die.

Capacitance: 10 pF (typical); Withstand voltage: 50 V (typical). Die dimensions: 0.5 × 0.5 × 0.1 mm.



Electrical characteristics

TA = +25 °C

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Capacitance	-	-	10	-	pF
Withstand voltage	-	-	50	-	V

Absolute limits

Parameter	Symbol	Minimum	Typical	Maximum	Value	Unit
Breakdown voltage	-	-	-	-	80 (Vb)	V

Environmental specifications

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Storage temperature	-	-65	-	150	°C
Operating temperature	-	-55	-	125	°C

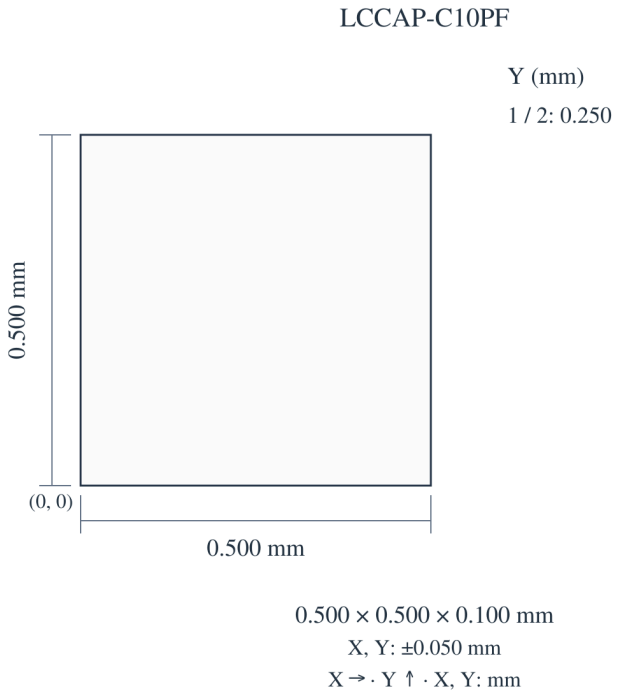
Bond-pad assignments

Pins	Symbol	Function	Notes
1, 2	IN/OUT	Reciprocal input/output	-
Die backside	GND	Ground	RF / DC GND

Die dimensions

Parameter	Value	Unit
Die dimensions	0.5 × 0.5 × 0.1	mm

Reference drawing showing selected dimensions in mm. Use complete drawings for fabrication and wire bonding.



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Die integration and bias sequencing

The die backside requires a reliable ground connection.

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.