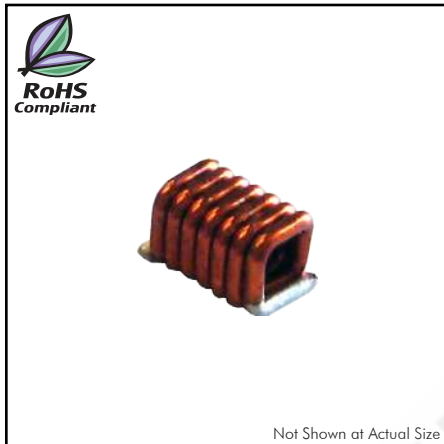


## CT0806SQF CT0807SQF CT0908SQF Series

From 5.5 nH to 27.3 nH



### CHARACTERISTICS

**Description:** Square Air Core Inductor.

**Applications:** Electronic products, communication equipment, computer devices, TV, DVD, mobile chargers, etc.

**Features:** Excellent Q factors, up to 130. Current handling as high as 4.4A. Flat top and bottom for reliable pick and place and mechanical stability.

**Operating Temperature:** -40°C to +125°C

**Storage Temperature:** -40°C to +125°C

**Dielectric Withstanding Voltage:** 250VAC.

**Inductance Tolerance:** ±5%

**Testing:** Inductance is tested on an HP4287A at 400MHz.

**Mean Time Between Failures (MTBF):** 1 Billion Hours.

**PCB Washing:** Only pure water or alcohol recommended.

**Packaging:** Tape & Reel.

**Miscellaneous:** RoHS Compliant.

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

### SPECIFICATIONS

Parts are available in ±5% inductance tolerance only.

Part Number	Inductance at 400MHz (nH)	Q Typ. at 400MHz	DCR Max. (mΩ)	I <sub>rms</sub> (A)	SRF Typ. (GHz)
CT0806SQF-5N5J	5.5	60	3.4	2.9	4.9
CT0806SQF-6N0J	6.0	64	6.0	2.9	5.2
CT0806SQF-8N9J	8.9	90	7.0	2.9	4.3
CT0806SQF-12NJ	12.3	90	8.0	2.9	4.8
CT0806SQF-16NJ	15.7	90	9.0	2.9	4.4
CT0806SQF-19NJ	19.4	90	10.0	2.9	4.0
CT0807SQF-6N9J	6.9	100	6.0	2.7	4.6
CT0807SQF-10NJ	10.2	100	7.0	2.7	4.0
CT0807SQF-11NJ	11.2	90	6.3	2.7	3.6
CT0807SQF-14NJ	13.7	100	8.0	2.7	4.3
CT0807SQF-17NJ	17.0	100	9.0	2.7	4.0
CT0807SQF-22NJ	22.0	100	10.0	2.7	3.5
CT0908SQF-8N1J	8.1	130	6.0	4.4	5.2
CT0908SQF-12NJ	12.1	130	7.0	4.4	4.3
CT0908SQF-14NJ	14.7	90	7.2	4.4	3.0
CT0908SQF-17NJ	16.6	130	8.0	4.4	3.4
CT0908SQF-22NJ	21.5	130	9.0	4.4	3.7
CT0908SQF-23NJ	23.0	120	10.0	4.4	2.6
CT0908SQF-25NJ	25.0	130	10.0	4.4	2.5
CT0908SQF-27NJ	27.3	130	10.0	4.4	3.2

### PHYSICAL DIMENSIONS (Unit: mm)

Part Number	A	B	C	D Typ.	E Typ.	F Typ.
CT0806SQF-5N5J	1.346±0.102	1.829±0.254	1.397±0.102	0.962	2.6	0.51
CT0806SQF-6N0J	1.295±0.102	1.829±0.254	1.397±0.102	1.02	2.6	0.51
CT0806SQF-8N9J	1.626±0.152	1.829±0.254	1.397±0.102	1.32	2.6	0.51
CT0806SQF-12NJ	1.930±0.152	1.829±0.254	1.397±0.102	1.63	2.6	0.51
CT0806SQF-16NJ	2.286±0.152	1.829±0.254	1.397±0.102	1.96	2.6	0.51
CT0806SQF-19NJ	2.591±0.152	1.829±0.254	1.397±0.102	2.29	2.6	0.51
CT0807SQF-6N9J	1.295±0.102	1.829±0.254	1.524±0.254	1.02	2.6	0.51
CT0807SQF-10NJ	1.626±0.152	1.829±0.254	1.524±0.254	1.32	2.6	0.51
CT0807SQF-11NJ	1.549±0.152	1.829±0.254	1.524±0.254	1.24	2.6	0.51
CT0807SQF-14NJ	1.930±0.152	1.829±0.254	1.524±0.254	1.63	2.6	0.51
CT0807SQF-17NJ	2.286±0.152	1.829±0.254	1.524±0.254	1.96	2.6	0.51
CT0807SQF-22NJ	2.591±0.152	1.829±0.254	1.524±0.254	2.29	2.6	0.51
CT0908SQF-8N1J	1.473±0.152	2.134±0.152	1.829±0.203	1.12	2.8	0.64
CT0908SQF-12NJ	1.854±0.152	2.134±0.152	1.829±0.203	1.45	2.8	0.64
CT0908SQF-14NJ	1.549±0.152	2.134±0.152	1.829±0.203	1.24	2.8	0.64
CT0908SQF-17NJ	2.210±0.152	2.134±0.152	1.829±0.203	1.83	2.8	0.64
CT0908SQF-22NJ	2.565±0.152	2.134±0.152	1.829±0.203	2.18	2.8	0.64
CT0908SQF-23NJ	2.235±0.152	2.134±0.152	1.829±0.203	1.9	2.8	0.64
CT0908SQF-25NJ	2.972±0.152	2.134±0.152	1.829±0.203	2.57	2.8	0.64
CT0908SQF-27NJ	2.972±0.152	2.134±0.152	1.829±0.203	2.57	2.8	0.64

