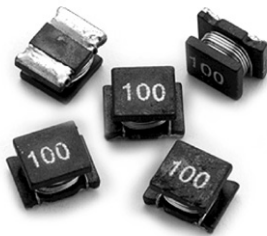
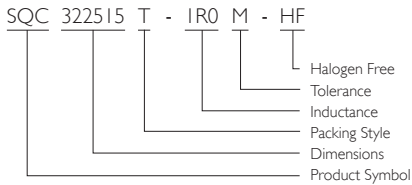


Miniature SMD Chip Inductors

SQC Series



PRODUCT IDENTIFICATION



■ Tolerance: J = ±5%, K = ±10%, L = ±15%, M = ±20%,
P = ±25%, N = ±30%, Y = min

FEATURES

Halogen Free products

Unshield construction

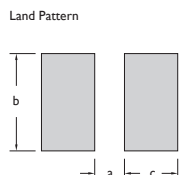
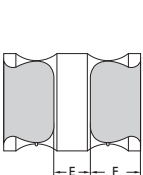
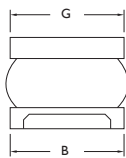
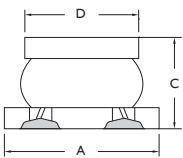
Low profile products

APPLICATIONS

Suitable for use as choke coils in DC power supply circuits

SHAPES AND DIMENSIONS

Unit: mm



TYPE	A	B	C	D	E	F	G	a	b	c
SQC322515T	3.2 ± 0.5	2.5 ± 0.2	1.55 ± 0.2	2.5 ± 0.2	0.9 ± 0.3	1.3 ± 0.2	2.5 ± 0.2	0.7	2.7	1.5
SQC322520T	3.2 ± 0.5	2.5 ± 0.2	2.0 ± 0.2	2.5 ± 0.2	0.9 ± 0.3	1.3 ± 0.2	2.5 ± 0.2	0.7	2.7	1.5
SQC453226T	4.5 ± 0.3	3.2 ± 0.2	2.6 ± 0.2	3.6 ± 0.2	1 min	1 min	3.2 ± 0.2	1.2	3.5	1.8
SQC575047T	5.7 ± 0.3	5.0 ± 0.3	4.7 ± 0.3	5.0 ± 0.3	1.3 min	1.7 min	5.0 ± 0.3	1.7	5.5	2.2

ELECTRICAL CHARACTERISTICS SQC322515T

PART NO.	INDUCTANCE (μH)	TEST FREQUENCY (MHz)	DC RESISTANCE (Ω) $\pm 30\%$	RATED CURRENT (mA) Max.
SQC322515T-1R0	1.00 $\pm 20\%$	1	0.060	1000
SQC322515T-2R2	2.20 $\pm 20\%$	1	0.097	790
SQC322515T-3R3	3.30 $\pm 20\%$	1	0.120	710
SQC322515T-4R7	4.70 $\pm 20\%$	1	0.150	650
SQC322515T-6R8	6.80 $\pm 20\%$	1	0.250	540
SQC322515T-100	10.00 $\pm 10\%$	1	0.300	450
SQC322515T-150	15.00 $\pm 10\%$	1	0.580	300
SQC322515T-220	22.00 $\pm 10\%$	1	0.710	250
SQC322515T-330	33.00 $\pm 10\%$	1	1.100	200
SQC322515T-470	47.00 $\pm 10\%$	1	1.300	170
SQC322515T-680	68.00 $\pm 10\%$	1	2.200	130
SQC322515T-101	100.00 $\pm 10\%$	1	3.500	100

ELECTRICAL CHARACTERISTICS SQC322520T

PART NO.	INDUCTANCE (μH)	TEST FREQUENCY	DC RESISTANCE (Ω) $\pm 30\%$	RATED CURRENT (mA) Max.
SQC322520T-1R0	1.00 $\pm 20\%$	1 MHz	0.090	800
SQC322520T-2R2	2.20 $\pm 20\%$	1 MHz	0.130	600
SQC322520T-4R7	4.70 $\pm 20\%$	1 MHz	0.200	450
SQC322520T-100	10.00 $\pm 10\%$	1 MHz	0.440	300
SQC322520T-220	22.00 $\pm 10\%$	1 MHz	0.710	250
SQC322520T-470	47.00 $\pm 10\%$	1 MHz	1.300	170
SQC322520T-101	100.00 $\pm 10\%$	1 MHz	3.500	100
SQC322520T-221	220.00 $\pm 10\%$	1 MHz	8.400	70
SQC322520T-331	330.00 $\pm 10\%$	1 MHz	10.000	60
SQC322520T-391	390.00 $\pm 10\%$	1 MHz	17.000	60
SQC322520T-471	470.00 $\pm 10\%$	1 KHz	19.000	60
SQC322520T-561	560.00 $\pm 10\%$	1 KHz	22.000	60

Note:

Isat: DC current at which the inductance drops 10% from its value without current

Irms: The actual current when temperature of coil becomes $\Delta T = 35\text{ }^\circ\text{C}$



ELECTRICAL CHARACTERISTICS SQC453226T

PART NO.	INDUCTANCE (μH)	TEST FREQUENCY	DC RESISTANCE (Ω) $\pm 30\%$	RATED CURRENT (mA) Max.
SQC453226T-1R0	1.00 $\pm 20\%$	1 MHz	0.08	1080
SQC453226T-1R5	1.50 $\pm 20\%$	1 MHz	0.09	1000
SQC453226T-2R2	2.20 $\pm 20\%$	1 MHz	0.11	900
SQC453226T-3R3	3.30 $\pm 20\%$	1 MHz	0.13	800
SQC453226T-4R7	4.70 $\pm 20\%$	1 MHz	0.15	750
SQC453226T-6R8	6.80 $\pm 20\%$	1 MHz	0.20	720
SQC453226T-100	10.00 $\pm 10\%$	1 MHz	0.24	650
SQC453226T-150	15.00 $\pm 10\%$	1 MHz	0.32	570
SQC453226T-220	22.00 $\pm 10\%$	1 MHz	0.60	420
SQC453226T-330	33.00 $\pm 10\%$	1 MHz	1.00	310
SQC453226T-470	47.00 $\pm 10\%$	1 MHz	1.10	280
SQC453226T-680	68.00 $\pm 10\%$	1 MHz	1.70	220
SQC453226T-101	100.00 $\pm 10\%$	1 MHz	2.20	190
SQC453226T-151	150.00 $\pm 10\%$	1 MHz	3.50	130
SQC453226T-221	220.00 $\pm 10\%$	1 MHz	4.00	110
SQC453226T-331	330.00 $\pm 10\%$	1 MHz	6.80	100
SQC453226T-471	470.00 $\pm 10\%$	1 KHz	8.50	90

Note:

Isat: DC current at which the inductance drops 10% from its value without current

Irms: The actual current when temperature of coil becomes $\Delta T = 35\text{ }^\circ\text{C}$

ELECTRICAL CHARACTERISTICS SQC575047T

PART NO.	INDUCTANCE (μH) $\pm 20\%$	TEST FREQUENCY	DC RESISTANCE (Ω) $\pm 40\%$	RATED CURRENT (mA) Max.
SQC575047T-R12	0.12	1 MHz	0.007	6000
SQC575047T-R27	0.27	1 MHz	0.010	5300
SQC575047T-R47	0.47	1 MHz	0.013	4800
SQC575047T-1R0	1.00	1 MHz	0.019	4000
SQC575047T-1R5	1.50	1 MHz	0.022	3700
SQC575047T-2R2	2.20	1 MHz	0.029	3200
SQC575047T-3R3	3.30	1 MHz	0.036	2900
SQC575047T-4R7	4.70	1 MHz	0.041	2700
SQC575047T-6R8	6.80	1 MHz	0.074	2000
SQC575047T-100	10.00	1 MHz	0.093	1700
SQC575047T-150	15.00	1 MHz	0.150	1400
SQC575047T-220	22.00	1 MHz	0.190	1200
SQC575047T-330	33.00	1 MHz	0.320	900
SQC575047T-470	47.00	1 MHz	0.400	800
SQC575047T-680	68.00	1 MHz	0.670	640
SQC575047T-101	100.00	100 KHz	0.860	560
SQC575047T-151	150.00	100 KHz	1.900	420
SQC575047T-221	220.00	100 KHz	2.400	320
SQC575047T-331	330.00	100 KHz	4.400	270
SQC575047T-471	470.00	100 KHz	5.400	240
SQC575047T-681	680.00	100 KHz	8.100	190
SQC575047T-102	1000.00	10 KHz	10.300	150
SQC575047T-222	2200.00	10 KHz	21.500	100
SQC575047T-472	4700.00	10 KHz	43.600	70
SQC575047T-103	10000.00	10 KHz	100.000	50

Note:

Isat: DC current at which the inductance drops 10% from its value without current

Irms: The actual current when temperature of coil becomes $\Delta T = 35\text{ }^\circ\text{C}$