

**SURFACE MOUNT
COMMON MODE INDUCTORS
SCT SERIES**

FEATURES

- Sturdy construction
- Good for infrared reflow soldering
- Ability to handle high current
- Compact, good for high density applications

ELECTRICAL CHARACTERISTICS

- Inductance range 1.0 μ H to 1000 μ H
- Test frequency 1 KHz @ 10mV
- Rated current range 1.03 Amps to 10.0 Amps
- Tolerance \pm 10% over entire range
- Test equipment QuadTech LCR 1750 Meter
- Rated current Based on coil temperature rise not to exceed 30°C

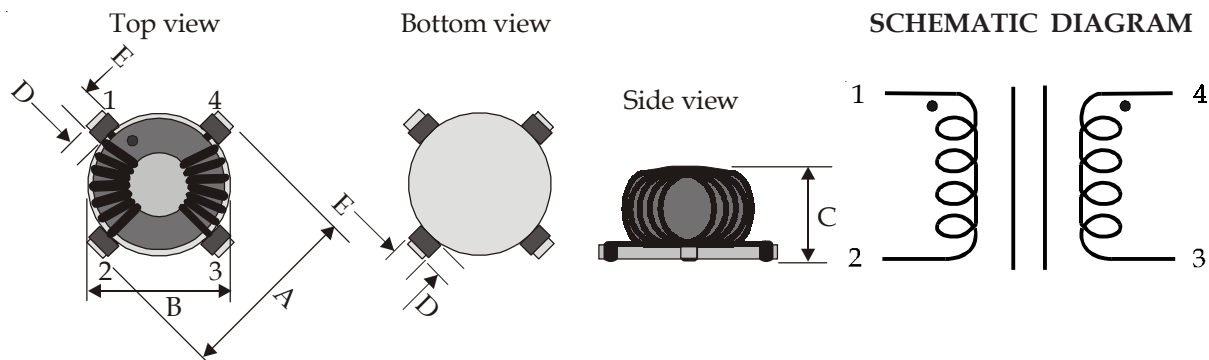
PHYSICAL CHARACTERISTICS

- Operating temperature -20°C to +105°C
- Core Ferrite
- Safety rating UL94V-0
- Wdg configurations Opposed or Bifilar
- Marking Black dot designates pin one
- Packaging Bulk 100 pieces per bag
T & R Available on high volume orders

DIMENSIONS IN INCHES

SERIES	TOTAL LENGTH " A "	BASE DIAMETER " B "	TOTAL HEIGHT " C "	TERMINAL LENGTH " D "	TERMINAL WIDTH " E "
SCT40	0.70" \pm 0.05"	0.46" \pm 0.02"	0.37" \pm 0.03"	0.10" \pm 0.01"	0.13" \pm 0.02"
SCT50	0.85" \pm 0.05"	0.62" \pm 0.02"	0.48" \pm 0.03"	0.10" \pm 0.01"	0.13" \pm 0.02"
SCT60	0.95" \pm 0.05"	0.72" \pm 0.02"	0.54" \pm 0.03"	0.10" \pm 0.01"	0.13" \pm 0.02"
SCT70	1.30" \pm 0.10"	0.99" \pm 0.02"	0.54" \pm 0.03"	0.10" \pm 0.01"	0.13" \pm 0.02"

Note: All four terminals have the same dimensions.



SCT40 SPECIFICATIONS

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (mA)
SCT40-1R0K	1.0	10	.0012	4100
SCT40-5R5K	5.5	10	.0025	4100
SCT40-100K	10	10	.0050	4100
SCT40-250K	25	10	.0075	4100
SCT40-390K	39	10	.0088	2600
SCT40-550K	55	10	.0100	2600
SCT40-650K	65	10	.0110	2600
SCT40-800K	80	10	.0125	2600
SCT40-101K	100	10	.0150	1630
SCT40-151K	150	10	.0175	1630
SCT40-251K	250	10	.0225	1630
SCT40-501K	500	10	.0312	1030

SCT60 SPECIFICATIONS

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (mA)
SCT60-1R0K	1.0	10	.0013	6500
SCT60-5R6K	5.6	10	.0017	6500
SCT60-100K	10	10	.0024	6500
SCT60-200K	20	10	.0029	6500
SCT60-350K	35	10	.0038	6500
SCT60-500K	50	10	.0050	6500
SCT60-750K	75	10	.0075	6500
SCT60-101K	100	10	.0088	6500
SCT60-151K	150	10	.0050	4100
SCT60-201K	200	10	.0062	4100
SCT60-251K	250	10	.0075	4100
SCT60-391K	390	10	.0088	4100
SCT60-501K	500	10	.0100	4100

SCT50 SPECIFICATIONS

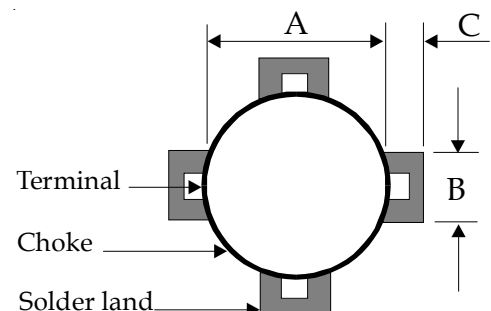
Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (mA)
SCT50-1R0K	1.0	10	.0012	6500
SCT50-5R6K	5.6	10	.0018	6500
SCT50-100K	10	10	.0025	6500
SCT50-250K	25	10	.0075	6500
SCT50-680K	68	10	.0100	4100
SCT50-101K	100	10	.0110	4100
SCT50-151K	150	10	.0100	4100
SCT50-201K	200	10	.0110	3250
SCT50-251K	250	10	.0125	3250
SCT50-391K	390	10	.0150	2600
SCT50-501K	500	10	.0160	2600
SCT50-681K	680	10	.0188	2600
SCT50-751K	750	10	.0263	2060
SCT50-102K	1000	10	.0338	2060

SCT70 SPECIFICATIONS

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (mA)
SCT70-1R0K	1	10	.0021	10000
SCT70-5R0K	5	10	.0028	10000
SCT70-100K	10	10	.0050	10000
SCT70-200K	20	10	.0055	10000
SCT70-350K	35	10	.0059	10000
SCT70-500K	50	10	.0064	6500
SCT70-680K	68	10	.0067	6500
SCT70-101K	100	10	.0100	6500
SCT70-151K	150	10	.0112	6500
SCT70-221K	220	10	.0125	4100
SCT70-351K	350	10	.0137	4100
SCT70-501K	500	10	.0150	4100
SCT70-651K	650	10	.0163	4100
SCT70-751K	750	10	.0175	4100
SCT70-851K	850	10	.0187	4100
SCT70-102K	1000	10	.0200	4100

SUGGESTED LAND PATTERN

SERIES	SPACING "A"	WIDTH "B"	LENGTH "C"
SCT40	0.43"	0.20"	0.12"
SCT50	0.58"	0.20"	0.12"
SCT60	0.68"	0.20"	0.12"
SCT70	0.96"	0.20"	0.12"



Note: All four solder lands are the same, X & Y dimensions are the same