



# SPI0603 SERIES

## High Current SMD Power Inductors SPI0603S, SPI0603T

### FEATURES

- Current up to 1.34A
- High Frequency design
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- Low Profile, Low cost
- Low DCR

### OPTIONS

- Packaging: Tape & Reel is standard (Qty:2000pcs.)
- Bulk packaging Available for Smaller Quantities
- Tolerance: K=10%, M=20% is Standard or Lower Tol.

### APPLICATIONS

- Power Supply
- OA equipment
- LCD TV
- Notebook PCs
- DC/DC converters

Part Number	L $\mu$ H	Tol %	Q min.	DCR Ohm Max.	IDC Max. A	Test Freq KHz
SPI-0603T-1R0K	1.0	$\pm 10$	35	0.072	1.34	100
SPI-0603T-1 R5K	1.5	$\pm 10$	35	0.084	1.22	100
SPI-0603T-2R2K	2.2	$\pm 10$	35	0.108	1.08	100
SPI-0603T-3R3K	3.3	$\pm 10$	35	0.134	0.97	100
SPI-0603T-4R7K	4.7	$\pm 10$	40	0.160	0.91	100
SPI-0603T-6R8K	6.8	$\pm 10$	40	0.197	0.79	100
SPI-0603T-100K	10.0	$\pm 10$	40	0.330	0.63	100
SPI-0603T-120K	12.0	$\pm 10$	40	0.350	0.59	100
SPI-0603T-150K	15.0	$\pm 10$	40	0.400	0.56	100
SPI-0603T-180K	18.0	$\pm 10$	40	0.450	0.51	100
SPI-0603T-220K	22.0	$\pm 10$	40	0.534	0.47	100
SPI-0603T-270K	27.0	$\pm 10$	40	0.618	0.43	100
SPI-0603T-330K	33.0	$\pm 10$	50	0.903	0.37	100
SPI-0603T-390K	39.0	$\pm 10$	50	1.010	0.4	100
SPI-0603T-470K	47.0	$\pm 10$	50	1.355	0.29	100
SPI-0603T-560K	56.0	$\pm 10$	50	1.515	0.28	100
SPI-0603T-680K	68.0	$\pm 10$	50	1.713	0.26	100
SPI-0603T-820K	82.0	$\pm 10$	50	2.312	0.22	100
SPI-0603T-101K	100.0	$\pm 10$	50	2.640	0.21	100
SPI-0603T-121K	120.0	$\pm 10$	50	3.502	0.19	100
SPI-0603T-151K	150.0	$\pm 10$	50	4.132	0.17	100
SPI-0603T-181K	180.0	$\pm 10$	50	4.534	0.16	100
SPI-0603T-221K	220.0	$\pm 10$	50	6.646	0.13	100
SPI-0603T-271K	270.0	$\pm 10$	50	7.523	0.12	100
SPI-0603S-101M	100	$\pm 20$	30	0.65	32.0mA	100
SPI-0603S-151M	150	$\pm 20$	35	0.80	28.0mA	100
SPI-0603S-221M	220	$\pm 20$	35	1.10	22.0mA	100
SPI-0603S-331M	330	$\pm 20$	35	1.30	16.0mA	100
SPI-0603S-471M	470	$\pm 20$	35	1.90	14.0mA	100
SPI-0603S-681M	680	$\pm 20$	35	2.50	11.0mA	100
SPI-0603S-102M	1000	$\pm 20$	35	3.10	9.0mA	100
SPI-0603S-152M	1500	$\pm 20$	35	5.30	8.0mA	100
SPI-0603S-222M	2200	$\pm 20$	35	8.40	7.0mA	100
SPI-0603S-332M	3300	$\pm 20$	35	10.10	5.0mA	100
SPI-0603S-472M	4700	$\pm 20$	35	13.0	4.0mA	100

- Testing: (Equivalent acceptable) Inductance: HP4284A RDC: QuadTech 1880, Milliohm meter -Q- HP4342A - SRF-HP4191A
- IDC Max: Determined when superimposed DC current is decreased 10% against its initial value
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

