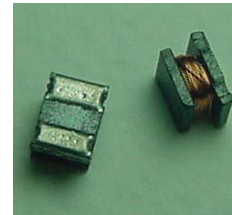


SMD Power Inductors

Features

- Small footprint with wire structure.
- Same foot-pad as industrial standard 1210, 1812, 2220 size.
- Suitable for reflow soldering.



Applications

- Noise suppression
- Pamcorder/Digital TVs
- Headphone
- PDAs
- Notebook computers and others small-size electronics devices.

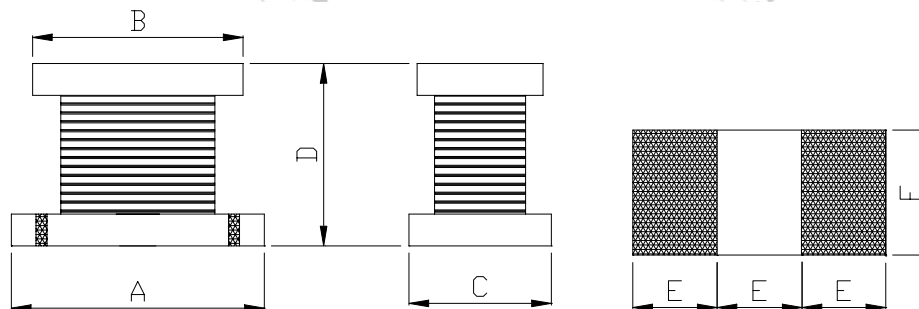
Part Number Systems

SPI - 4532 - 1R0 - M - LF

(1) (2) (3) (4) (5)

(1)	Product series	(2)	Size
(3)	Inductance Value: 1R0 = 0.10uH	(4)	Inductance Tolerance: J = ± 5%, K = ± 10%, M = ± 20%
(5)	ROHs Compliant		

Shape And Dimensions



Unit: mm

Type	A	B	C	D (Max)	E (Min)	F
4532	4.5 ± 0.3	3.6 ± 0.2	3.2 ± 0.2	3.0	1.0	3.2 ± 0.2

SMD Power Inductors

SPI-4532-Series			ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	Q Min	SRF (MHz)	Rdc (Ω)	Idc (mA)
				Min	Max	Max
SPI-4532-1R0M-LF	1.0 @ 1 MHz	M	20 @ 1 MHz	120	0.20	500
SPI-4532-1R2M-LF	1.2 @ 1 MHz	M	20 @ 1 MHz	100	0.20	500
SPI-4532-1R5K-LF	1.5 @ 1 MHz	M	20 @ 1 MHz	85	0.30	500
SPI-4532-1R8K-LF	1.8 @ 1 MHz	M	20 @ 1 MHz	75	0.30	500
SPI-4532-2R2K-LF	2.2 @ 1 MHz	M	20 @ 1 MHz	62	0.30	500
SPI-4532-2R7K-LF	2.7 @ 1 MHz	M	20 @ 1 MHz	53	0.32	500
SPI-4532-3R3K-LF	3.3 @ 1 MHz	M	20 @ 1 MHz	47	0.35	500
SPI-4532-3R9K-LF	3.9 @ 1 MHz	M	20 @ 1 MHz	41	0.38	500
SPI-4532-4R7K-LF	4.7 @ 1 MHz	K	30 @ 1 MHz	38	0.40	500
SPI-4532-5R6K-LF	5.6 @ 1 MHz	K	30 @ 1 MHz	33	0.47	500
SPI-4532-6R8K-LF	6.8 @ 1 MHz	K	30 @ 1 MHz	31	0.50	450
SPI-4532-8R2K-LF	8.2 @ 1 MHz	K	30 @ 1 MHz	27	0.56	450
SPI-4532-100J-LF	10 @ 1 MHz	J, K	35 @ 1 MHz	23	0.56	400
SPI-4532-120J-LF	12 @ 1 MHz	J, K	35 @ 1 MHz	21	0.62	380
SPI-4532-150J-LF	15 @ 1 MHz	J, K	35 @ 1 MHz	19	0.73	360
SPI-4532-180J-LF	18 @ 1 MHz	J, K	35 @ 1 MHz	17	0.82	340
SPI-4532-220J-LF	22 @ 1 MHz	J, K	35 @ 1 MHz	15	0.94	320
SPI-4532-270J-LF	27 @ 1 MHz	J, K	35 @ 1 MHz	14	1.10	300
SPI-4532-330J-LF	33 @ 1 MHz	J, K	35 @ 1 MHz	12	1.20	270
SPI-4532-390J-LF	39 @ 1 MHz	J, K	35 @ 1 MHz	11	1.40	240
SPI-4532-470J-LF	47 @ 1 MHz	J, K	35 @ 1 MHz	10	1.50	220
SPI-4532-560J-LF	56 @ 1 MHz	J, K	35 @ 1 MHz	9.3	1.70	200
SPI-4532-680J-LF	68 @ 1 MHz	J, K	35 @ 1 MHz	8.4	1.90	180
SPI-4532-820J-LF	82 @ 1 MHz	J, K	35 @ 1 MHz	7.5	2.20	170
SPI-4532-101J-LF	100 @ 1 MHz	J, K	40 @ 796 kHz	6.8	2.50	160
SPI-4532-121J-LF	120 @ 1 MHz	J, K	40 @ 796 kHz	6.2	3.00	150
SPI-4532-151J-LF	150 @ 1 MHz	J, K	40 @ 796 kHz	5.5	3.70	130
SPI-4532-181J-LF	180 @ 1 MHz	J, K	40 @ 796 kHz	5.0	4.50	120
SPI-4532-221J-LF	220 @ 1 MHz	J, K	40 @ 796 kHz	4.5	5.40	110
SPI-4532-271J-LF	270 @ 1 MHz	J, K	40 @ 796 kHz	4.0	6.80	100
SPI-4532-331J-LF	330 @ 1 MHz	J, K	40 @ 796 kHz	3.6	8.20	95
SPI-4532-391J-LF	390 @ 1 MHz	J, K	40 @ 796 kHz	3.3	9.70	90
SPI-4532-471J-LF	470 @ 1 kHz	J, K	40 @ 796 kHz	3.0	11.8	80

SMD Power Inductors

SPI-4532-Series			ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	Q Min	SRF (MHz)	Rdc (Ω)	Idc (mA)
				Min	Max	Max
SPI-4532-561J-LF	560 @ 1 kHz	J, K	40 @ 796 kHz	2.7	14.5	70
SPI-4532-681J-LF	680 @ 1 kHz	J, K	40 @ 796 kHz	2.5	17.0	65
SPI-4532-821J-LF	820 @ 1 kHz	J, K	40 @ 796 kHz	2.2	20.5	60
SPI-4532-102J-LF	1000 @ 1 kHz	J, K	40 @ 796 kHz	2.0	25.0	50

* All specifications are subjected to change without prior notice.