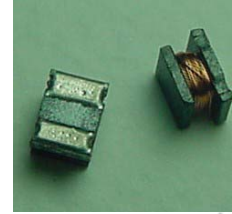


SMD Power Inductors

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.

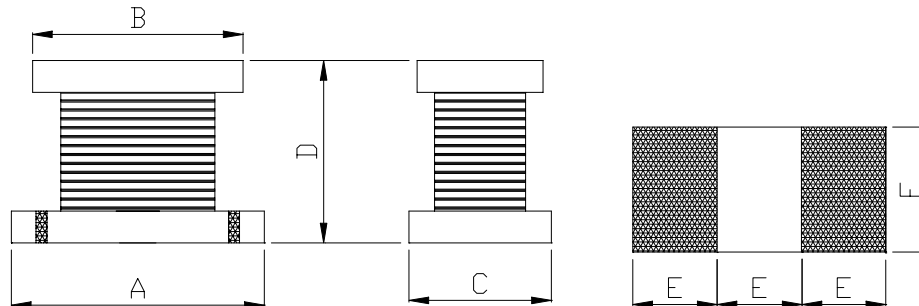
Part Number Systems

SPI - 3225 - 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
3225	3.2 ± 0.2	2.5 ± 0.2	2.5 ± 0.2	2.5	0.9	2.5 ± 0.2

SMD Power Inductors

SPI-3225-Series			ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	Q Min	SRF (MHz)	Rdc (Ω)	Idc (mA)
				Min	Max	Max
SPI-3225-R10M-LF	0.10 @ 1 MHz	M	20 @ 25.2 MHz	200	0.25	700
SPI-3225-R18M-LF	0.18 @ 1 MHz	M	20 @ 25.2 MHz	200	0.25	650
SPI-3225-R27M-LF	0.27 @ 1 MHz	M	25 @ 25.2 MHz	200	0.25	600
SPI-3225-R39M-LF	0.39 @ 1 MHz	M	25 @ 25.2 MHz	200	0.25	530
SPI-3225-R56M-LF	0.56 @ 1 MHz	M	30 @ 25.2 MHz	160	0.25	530
SPI-3225-R68M-LF	0.68 @ 1 MHz	M	30 @ 25.2 MHz	160	0.25	470
SPI-3225-R82M-LF	0.82 @ 1 MHz	M	30 @ 25.2 MHz	120	0.25	450
SPI-3225-1R0M-LF	1.0 @ 1 MHz	M	20 @ 1 MHz	100	0.5	445
SPI-3225-1R2M-LF	1.2 @ 1 MHz	M	20 @ 1 MHz	100	0.6	425
SPI-3225-1R5K-LF	1.5 @ 1 MHz	K	20 @ 1 MHz	75.0	0.6	400
SPI-3225-1R8K-LF	1.8 @ 1 MHz	K	20 @ 1 MHz	60.0	0.7	390
SPI-3225-2R2K-LF	2.2 @ 1 MHz	K	20 @ 1 MHz	50.0	0.8	370
SPI-3225-2R7K-LF	2.7 @ 1 MHz	K	20 @ 1 MHz	43.0	0.9	320
SPI-3225-3R3K-LF	3.3 @ 1 MHz	K	20 @ 1 MHz	38.0	1.0	300
SPI-3225-3R9K-LF	3.9 @ 1 MHz	K	20 @ 1 MHz	35.0	1.1	290
SPI-3225-4R7K-LF	4.7 @ 1 MHz	K	20 @ 1 MHz	31.0	1.2	270
SPI-3225-5R6K-LF	5.6 @ 1 MHz	K	20 @ 1 MHz	28.0	1.3	250
SPI-3225-6R8K-LF	6.8 @ 1 MHz	K	20 @ 1 MHz	25.0	1.5	240
SPI-3225-8R2K-LF	8.2 @ 1 MHz	K	20 @ 1 MHz	23.0	1.6	225
SPI-3225-100J-LF	10 @ 1 MHz	J, K	35 @ 1 MHz	20.0	1.8	190
SPI-3225-120J-LF	12 @ 1 MHz	J, K	35 @ 1 MHz	18.0	2.0	180
SPI-3225-150J-LF	15 @ 1 MHz	J, K	35 @ 1 MHz	16.0	2.2	170
SPI-3225-180J-LF	18 @ 1 MHz	J, K	35 @ 1 MHz	15.0	2.5	165
SPI-3225-220J-LF	22 @ 1 MHz	J, K	35 @ 1 MHz	14.0	2.8	150
SPI-3225-270J-LF	27 @ 1 MHz	J, K	35 @ 1 MHz	13.0	3.1	125
SPI-3225-330J-LF	33 @ 1 MHz	J, K	40 @ 1 MHz	12.0	3.5	115
SPI-3225-390J-LF	39 @ 1 MHz	J, K	40 @ 1 MHz	11.0	3.9	110
SPI-3225-470J-LF	47 @ 1 MHz	J, K	40 @ 1 MHz	11.0	4.3	100
SPI-3225-560J-LF	56 @ 1 MHz	J, K	40 @ 1 MHz	10.0	4.9	85
SPI-3225-680J-LF	68 @ 1 MHz	J, K	40 @ 1 MHz	9.0	5.5	80
SPI-3225-820J-LF	82 @ 1 MHz	J, K	40 @ 1 MHz	8.5	6.2	70
SPI-3225-101J-LF	100 @ 1 MHz	J, K	40 @ 796 kHz	8.0	7.0	80
SPI-3225-121J-LF	120 @ 1 MHz	J, K	40 @ 796 kHz	7.5	8.0	75

SMD Power Inductors

SPI-3225-Series			ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	Q Min	SRF (MHz)	Rdc (Ω)	Idc (mA)
				Min	Max	Max
SPI-3225-151J-LF	150 @ 1 MHz	J, K	40 @ 796 kHz	7.0	9.3	70
SPI-3225-181J-LF	180 @ 1 MHz	J, K	40 @ 796 kHz	6.0	10.2	65
SPI-3225-221J-LF	220 @ 1 MHz	J, K	40 @ 796 kHz	5.5	11.8	65
SPI-3225-271J-LF	270 @ 1 MHz	J, K	40 @ 796 kHz	5.0	12.5	65
SPI-3225-331J-LF	330 @ 1 MHz	J, K	40 @ 796 kHz	5.0	13.0	65
SPI-3225-391J-LF	390 @ 1 MHz	J, K	50 @ 796 kHz	5.0	22.0	50
SPI-3225-471J-LF	470 @ 1 kHz	J, K	50 @ 796 kHz	5.0	25.0	45
SPI-3225-561J-LF	560 @ 1 kHz	J, K	50 @ 796 kHz	5.0	28.0	40

* All specifications are subjected to change without prior notice.