

INDUCTORS

Unshielded SMD Power Inductor SPE3218 Series

Features:

- Low profile
- High-density mounting adoptable
- Leaching resistance to heat and humidity
- High Saturation current

Applications:

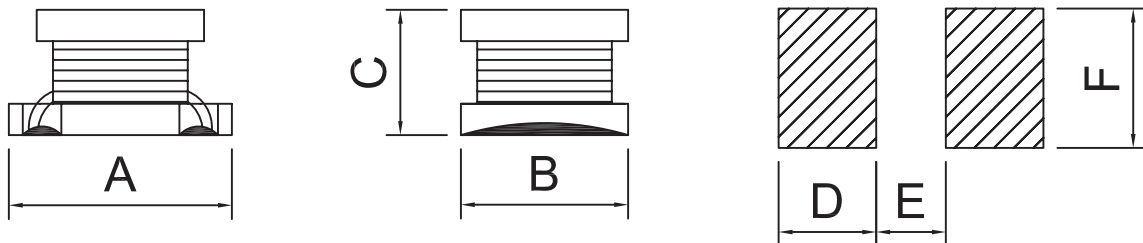
- Portable communication equipment
- Notebook computers
- DC/DC converters, etc
- Personal Data Assistant (PDA)



*The operating temperature range is -25°C to +85°C

*IDC: The current of inductance drop 10%

Dimensions (unit:mm)



TYPE	A	B	C	D	E	F
SPE3218	3.2±0.3	1.6±0.2	1.8±0.2	1.5	1.0	2.0
SPE3220	3.2±0.3	2.5±0.2	2.0±0.4	1.5	1.0	3.0
SPE4526	4.5±0.3	3.2±0.2	2.6±0.4	2.0	1.5	3.8
SPE5747	5.7±0.3	5.0±0.3	4.7±0.5	2.0	2.0	5.0

ORDER INFORMATION

KLS18 - SPE3218 -103 K - R

SPE3218: Type
103 : Inductance Code
K : Tolerance
R : Packing R: Reel packing B: Bulk packing

INDUCTORS

Unshielded SMD Power Inductor SPE3218 Series

PART NO.	INDUCTANCE(μH)	TEST FREQ	DCR(MAX)(Ω)	IDC(A)(MAX)
SPE3218-R15M	0.15	1MHz	0.546	0.25
SPE3218-R22M	0.22	1MHz	0.602	0.24
SPE3218-R33M	0.33	1MHz	0.63	0.23
SPE3218-R47M	0.47	1MHz	1.162	0.215
SPE3218-R56M	0.56	1MHz	0.854	0.2
SPE3218-R68M	0.68	1MHz	0.938	0.19
SPE3218-R82M	0.82	1MHz	1.022	0.185
SPE3218-1R0M	1	1MHz	0.637	0.175
SPE3218-1R2M	1.2	1MHz	1.17	0.165
SPE3218-1R5M	1.5	1MHz	1.3	0.155
SPE3218-1R8M	1.8	1MHz	2.08	0.15
SPE3218-2R2M	2.2	1MHz	0.91	0.14
SPE3218-2R7M	2.7	1MHz	0.715	0.135
SPE3218-3R3M	3.3	1MHz	1.82	0.13
SPE3218-3R9M	3.9	1MHz	1.95	0.125
SPE3218-4R7M	4.7	1MHz	2.21	0.12
SPE3218-5R6M	5.6	1MHz	2.34	0.115
SPE3218-6R8M	6.8	1MHz	2.6	0.11
SPE3218-8R2M	8.2	1MHz	2.86	0.105
SPE3218-100K	10	1MHz	3.25	0.1
SPE3218-120K	12	1MHz	3.51	0.095
SPE3218-150K	15	1MHz	3.9	0.09
SPE3218-180K	18	1MHz	4.42	0.085
SPE3218-220K	22	1MHz	4.03	0.085
SPE3218-270K	27	1MHz	4.42	0.085
SPE3218-330K	33	1MHz	4.94	0.08
SPE3218-390K	39	1MHz	9.36	0.055
SPE3218-470K	47	1MHz	10.4	0.055
SPE3218-560K	56	1MHz	11.57	0.05
SPE3218-680K	68	1MHz	12.87	0.05
SPE3218-820K	82	1MHz	14.3	0.045
SPE3218-101K	100	1MHz	15.6	0.045

INDUCTORS

Unshielded SMD Power Inductor SPE3220 Series

PART NO.	INDUCTANCE(μH)	TEST FREQ	DCR(MAX)(Ω)	IDC(A)(MAX)
SPE3220-R10M	0.1	1MHz	0.25	0.7
SPE3220-R18M	0.18	1MHz	0.25	0.65
SPE3220-R27M	0.27	1MHz	0.25	0.6
SPE3220-R39M	0.39	1MHz	0.25	0.53
SPE3220-R56M	0.56	1MHz	0.25	0.53
SPE3220-R68M	0.68	1MHz	0.25	0.47
SPE3220-R82M	0.82	1MHz	0.25	0.45
SPE3220-1R0M	1	1MHz	0.5	0.44
SPE3220-1R2M	1.2	1MHz	0.6	0.43
SPE3220-1R5M	1.5	1MHz	0.6	0.4
SPE3220-1R8M	1.8	1MHz	0.7	0.39
SPE3220-2R2M	2.2	1MHz	0.8	0.37
SPE3220-2R7M	2.7	1MHz	0.9	0.32
SPE3220-3R3M	3.3	1MHz	1	0.3
SPE3220-3R9M	3.9	1MHz	1.1	0.29
SPE3220-4R7M	4.7	1MHz	1.2	0.27
SPE3220-5R6M	5.6	1MHz	1.3	0.25
SPE3220-6R8M	6.8	1MHz	1.5	0.24
SPE3220-8R2M	8.2	1MHz	1.6	0.23
SPE3220-100K	10	1MHz	1.8	0.19
SPE3220-120K	12	1MHz	2	0.18
SPE3220-150K	15	1MHz	2.2	0.17
SPE3220-180K	18	1MHz	2.5	0.16
SPE3220-220K	22	1MHz	2.8	0.15
SPE3220-270K	27	1MHz	3.1	0.12
SPE3220-330K	33	1MHz	3.5	0.11
SPE3220-390K	39	1MHz	3.9	0.11
SPE3220-470K	47	1MHz	4.3	0.1
SPE3220-560K	56	1MHz	4.9	0.085
SPE3220-680K	68	1MHz	5.5	0.08
SPE3220-820K	82	1MHz	6.2	0.07
SPE3220-101K	100	1MHz	7	0.068
SPE3220-121K	120	1MHz	8	0.068
SPE3220-151K	150	1MHz	9.3	0.065
SPE3220-181K	180	1MHz	10.2	0.065
SPE3220-221K	220	1MHz	11.8	0.065
SPE3220-271K	270	1MHz	12.5	0.065
SPE3220-331K	330	1MHz	13	0.065
SPE3220-391K	390	1MHz	22	0.05
SPE3220-471K	470	1MHz	25	0.045
SPE3220-561K	560	1MHz	28	0.04

INDUCTORS

Unshielded SMD Power Inductor SPE4526 Series

PART NO.	INDUCTANCE(μH)	TEST FREQ	DCR(MAX)(Ω)	IDC(A)(MAX)
SPE4526-1R0M	1	1MHz	0.2	0.5
SPE4526-1R2M	1.2	1MHz	0.2	0.5
SPE4526-1R5M	1.5	1MHz	0.3	0.5
SPE4526-1R8M	1.8	1MHz	0.3	0.5
SPE4526-2R2M	2.2	1MHz	0.3	0.5
SPE4526-2R7M	2.7	1MHz	0.32	0.5
SPE4526-3R3M	3.3	1MHz	0.35	0.5
SPE4526-3R9M	3.9	1MHz	0.38	0.5
SPE4526-4R7M	4.7	1MHz	0.4	0.5
SPE4526-5R6M	5.6	1MHz	0.47	0.5
SPE4526-6R8M	6.8	1MHz	0.5	0.45
SPE4526-8R2M	8.2	1MHz	0.56	0.45
SPE4526-100K	10	1MHz	0.56	0.4
SPE4526-120K	12	1MHz	0.62	0.38
SPE4526-150K	15	1MHz	0.73	0.36
SPE4526-180K	18	1MHz	0.82	0.34
SPE4526-220K	22	1MHz	0.94	0.32
SPE4526-270K	27	1MHz	1.1	0.3
SPE4526-330K	33	1MHz	1.2	0.27
SPE4526-390K	39	1MHz	1.4	0.24
SPE4526-470K	47	1MHz	1.5	0.22
SPE4526-560K	56	1MHz	1.7	0.2
SPE4526-680K	68	1MHz	1.9	0.18
SPE4526-820K	82	1MHz	2.2	0.17
SPE4526-101K	100	1MHz	2.5	0.16
SPE4526-121K	120	1MHz	3	0.15
SPE4526-151K	150	1MHz	3.7	0.13
SPE4526-181K	180	1MHz	4.5	0.12
SPE4526-221K	220	1MHz	5.4	0.11
SPE4526-271K	270	1MHz	6.8	0.1
SPE4526-331K	330	1MHz	8.2	0.095
SPE4526-391K	390	1MHz	9.7	0.09
SPE4526-471K	470	1KHz	11.8	0.08
SPE4526-561K	560	1KHz	14.5	0.07
SPE4526-681K	680	1KHz	17	0.065
SPE4526-821K	820	1KHz	20.5	0.06
SPE4526-102K	1000	1KHz	25	0.05
SPE4526-122K	1200	1KHz	30	0.045
SPE4526-152K	1500	1KHz	37	0.04
SPE4526-182K	1800	1KHz	45	0.035
SPE4526-222K	2200	1KHz	50	0.03

INDUCTORS

Unshielded SMD Power Inductor SPE5747 Series

PART NO.	INDUCTANCE(μ H)	TEST FREQ	DCR(MAX)(Ω)	IDC(A)(MAX)
SPE5747-R12M	0.12	1MHz	0.01	6
SPE5747-R27M	0.27	1MHz	0.014	5.3
SPE5747-R47M	0.47	1MHz	0.018	4.8
SPE5747-1R0M	1	1MHz	0.027	4
SPE5747-1R5M	1.5	1MHz	0.031	3.7
SPE5747-2R2M	2.2	1MHz	0.041	3.2
SPE5747-3R3M	3.3	1MHz	0.05	2.9
SPE5747-4R7M	4.7	1MHz	0.057	2.7
SPE5747-6R8M	6.8	1MHz	0.1	2
SPE5747-100M	10	1MHz	0.13	1.7
SPE5747-150M	15	1MHz	0.21	1.4
SPE5747-220M	22	1MHz	0.27	1.2
SPE5747-330M	33	1MHz	0.45	0.9
SPE5747-470M	47	1MHz	0.56	0.8
SPE5747-680M	68	1MHz	0.94	0.64
SPE5747-101M	100	100KHz	1.2	0.56
SPE5747-151M	150	100KHz	2.66	0.42
SPE5747-221M	220	100KHz	3.36	0.32
SPE5747-331M	330	100KHz	6.16	0.27
SPE5747-471M	470	100KHz	7.56	0.24
SPE5747-681M	680	100KHz	11.3	0.19
SPE5747-102M	1000	10KHz	14.4	0.15
SPE5747-152M	1500	10KHz	30.1	0.1
SPE5747-222M	2200	10KHz	45	0.09
SPE5747-332M	3300	10KHz	50	0.08
SPE5747-472M	4700	10KHz	61	0.07
SPE5747-682M	6800	10KHz	100	0.06
SPE5747-822M	8200	10KHz	125	0.05
SPE5747-103M	10000	10KHz	140	0.05