

API DELEVAN Shielded SMD Power Inductors **API Delevan**

SP1008R SERIES

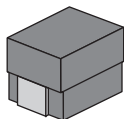
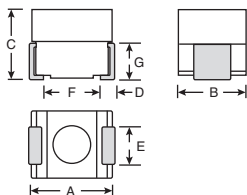
Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise



This product is RoHS compliant.

For quantities of 1000 and up, call for quote.



Physical Parameters		
	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.0755 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 to 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref. only)	1.52 (Ref. only)
G	0.045 (Ref. only)	1.14 (Ref. only)

Dimensions "A" and "C" are over terminals.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max. (Ω)	I _{dc} Max. (mA)	Price Each			
					1	10	100	500
807-SP1008R-331K	SP1008R-331K	0.33	0.108	1030	7.12	6.85	4.35	2.54
807-SP1008R-561K	SP1008R-561K	0.56	0.147	878	7.12	6.85	4.35	2.54
807-SP1008R-681K	SP1008R-681K	0.68	0.157	850	7.12	6.85	4.35	2.54
807-SP1008R-821K	SP1008R-821K	0.82	0.167	824	7.12	6.85	4.35	2.54
807-SP1008R-102K	SP1008R-102K	1.0	0.228	705	7.12	6.85	4.35	2.54
807-SP1008R-122K	SP1008R-122K	1.2	0.252	671	7.12	6.85	4.35	2.54
807-SP1008R-152K	SP1008R-152K	1.5	0.288	627	7.12	6.85	4.35	2.54
807-SP1008R-182K	SP1008R-182K	1.8	0.392	538	7.12	6.85	4.35	2.54
807-SP1008R-222K	SP1008R-222K	2.2	0.437	509	7.12	6.85	4.35	2.54
807-SP1008R-272K	SP1008R-272K	2.7	0.482	485	7.12	6.85	4.35	2.54
807-SP1008R-332K	SP1008R-332K	3.3	0.527	465	7.12	6.85	4.35	2.54
807-SP1008R-392K	SP1008R-392K	3.9	0.739	392	7.12	6.85	4.35	2.54
807-SP1008R-472K	SP1008R-472K	4.7	0.817	372	7.12	6.85	4.35	2.54
807-SP1008R-562K	SP1008R-562K	5.6	0.895	356	7.12	6.85	4.35	2.54
807-SP1008R-682K	SP1008R-682K	6.8	1.43	282	7.12	6.85	4.35	2.54
807-SP1008R-822K	SP1008R-822K	8.2	1.54	271	7.12	6.85	4.35	2.54
807-SP1008R-103K	SP1008R-103K	10	1.70	258	7.12	6.85	4.35	2.54
807-SP1008R-123K	SP1008R-123K	12	1.87	246	7.12	6.85	4.35	2.54
807-SP1008R-153K	SP1008R-153K	15	2.10	232	7.12	6.85	4.35	2.54
807-SP1008R-223K	SP1008R-223K	22	4.02	168	7.12	6.85	4.35	2.54
807-SP1008R-333K	SP1008R-333K	33	4.90	152	7.12	6.85	4.35	2.54
807-SP1008R-473K	SP1008R-473K	47	5.90	139	7.12	6.85	4.35	2.54
807-SP1008R-563K	SP1008R-563K	56	6.40	133	7.12	6.85	4.35	2.54
807-SP1008R-683K	SP1008R-683K	68	9.00	112	7.12	6.85	4.35	2.54
807-SP1008R-823K	SP1008R-823K	82	9.90	107	7.12	6.85	4.35	2.54
807-SP1008R-104K	SP1008R-104K	100	10.90	102	7.12	6.85	4.35	2.54

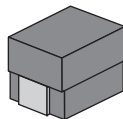
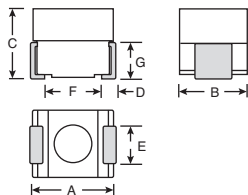
SP1210R SERIES

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise



For quantities of 1000 and up, call for quote.



Physical Parameters		
	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.66
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref. only)	1.78 (Ref. only)
G	0.054 (Ref. only)	1.37 (Ref. only)

Dimensions "A" and "C" are over terminals.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max. (Ω)	I _{dc} Max. (mA)	Price Each			
					1	10	100	500
807-SP1210R-471K	SP1210R-471K	0.47	0.079	1440	3.80	3.65	2.21	1.28
807-SP1210R-561K	SP1210R-561K	0.56	0.085	1380	7.79	7.49	4.53	2.62
807-SP1210R-681K	SP1210R-681K	0.68	0.093	1320	7.79	7.49	4.53	2.62
807-SP1210R-821K	SP1210R-821K	0.82	0.10	1250	7.79	7.49	4.53	2.62
807-SP1210R-102K	SP1210R-102K	1	0.11	1190	3.80	3.65	2.21	1.28
807-SP1210R-122K	SP1210R-122K	1.2	0.13	1140	7.79	7.49	4.53	2.62
807-SP1210R-152K	SP1210R-152K	1.5	0.14	1080	3.80	3.65	2.21	1.28
807-SP1210R-182K	SP1210R-182K	1.8	0.15	1030	7.79	7.49	4.53	2.62
807-SP1210R-222K	SP1210R-222K	2.2	0.17	992	3.80	3.65	2.21	1.28
807-SP1210R-272K	SP1210R-272K	2.7	0.24	826	7.79	7.49	4.53	2.62
807-SP1210R-332K	SP1210R-332K	3.3	0.34	692	3.80	3.65	2.21	1.28
807-SP1210R-472K	SP1210R-472K	4.7	0.40	633	3.80	3.65	2.21	1.28
807-SP1210R-562K	SP1210R-562K	5.6	0.44	606	7.79	7.49	4.53	2.62
807-SP1210R-682K	SP1210R-682K	6.8	0.49	576	3.26	3.13	1.89	1.09
807-SP1210R-103K	SP1210R-103K	10	0.75	464	3.80	3.65	2.21	1.28
807-SP1210R-153K	SP1210R-153K	15	1.40	338	7.79	7.48	4.53	2.62
807-SP1210R-223K	SP1210R-223K	22	1.70	306	3.80	3.65	2.21	1.28
807-SP1210R-273K	SP1210R-273K	27	1.90	291	7.79	7.49	4.53	2.62
807-SP1210R-333K	SP1210R-333K	33	2.70	243	7.79	7.49	4.53	2.62
807-SP1210R-393K	SP1210R-393K	39	3.60	212	7.79	7.49	4.53	2.62
807-SP1210R-473K	SP1210R-473K	47	3.90	203	7.79	7.49	4.53	2.62
807-SP1210R-104K	SP1210R-104K	100	6.80	154	7.79	7.49	4.53	2.62
807-SP1210R-124K	SP1210R-124K	120	7.50	147	7.79	7.49	4.53	2.62
807-SP1210R-154K	SP1210R-154K	150	10.50	124	7.79	7.49	4.53	2.62
807-SP1210R-184K	SP1210R-184K	180	11.40	119	7.79	7.49	4.53	2.62
807-SP1210R-224K	SP1210R-224K	220	12.70	113	3.80	3.65	2.21	1.28
807-SP1210R-274K	SP1210R-274K	270	14.00	107	7.79	7.49	4.53	2.62
807-SP1210R-334K	SP1210R-334K	330	17.00	98	7.79	7.49	4.53	2.62
807-SP1210R-394K	SP1210R-394K	390	25.00	80	3.80	3.65	2.21	1.28

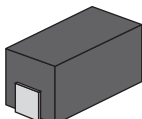
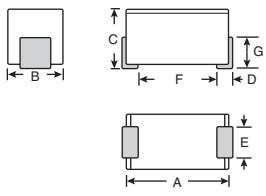
SP1812R SERIES

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise



For quantities of 1000 and up, call for quote.



Physical Parameters		
	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref. only)	3.00 (Ref. only)
G	0.066 (Ref. only)	1.68 (Ref. only)

Dimensions "A" and "C" are over terminals.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max. (Ω)	I _{dc} Max. (mA)	Price Each			
					1	10	100	500
807-SP1812R-102K	SP1812R-102K	1	0.081	1580	4.24	4.03	2.58	1.48
807-SP1812R-152K	SP1812R-152K	1.5	0.098	1430	6.32	6.01	3.85	2.20
807-SP1812R-182K	SP1812R-182K	1.8	0.11	1360	6.32	6.01	3.85	2.20
807-SP1812R-222K	SP1812R-222K	2.2	0.15	1170	6.32	6.01	3.85	2.20
807-SP1812R-272K	SP1812R-272K	2.7	0.16	1110	6.32	6.01	3.85	2.20
807-SP1812R-332K	SP1812R-332K	3.3	0.18	1060	5.82	5.55	3.61	2.41
807-SP1812R-392K	SP1812R-392K	3.9	0.20	1000	3.35	3.19	2.07	1.35
807-SP1812R-472K	SP1812R-472K	4.7	0.21	969	3.23	3.07	1.96	1.29
807-SP1812R-562K	SP1812R-562K	5.6	0.24	920	4.24	4.03	2.58	1.48
807-SP1812R-822K	SP1812R-822K	8.2	0.28	842	4.24	4.03	2.58	1.48
807-SP1812R-103K	SP1812R-103K	10	0.31	802	4.24	4.03	2.58	1.48
807-SP1812R-123K	SP1812R-123K	12	0.34	767	4.24	4.03	2.58	1.48
807-SP1812R-153K	SP1812R-153K	15	0.49	640	4.24	4.03	2.58	1.48
807-SP1812R-223K	SP1812R-223K	22	0.75	509	6.32	6.01	3.85	2.20
807-SP1812R-273K	SP1812R-273K	27	1.0	430	6.32	6.01	3.85	2.20
807-SP1812R-333K	SP1812R-333K	33	1.2	408	6.32	6.01	3.85	2.20
807-SP1812R-393K	SP1812R-393K	39	1.6	354	6.32	6.01	3.85	2.20
807-SP1812R-473K	SP1812R-473K	47	1.8	335	6.32	6.01	3.85	2.20
807-SP1812R-563K	SP1812R-563K	56	1.9	323	4.24	4.03	2.58	1.48
807-SP1812R-683K	SP1812R-683K	68	2.7	275	6.32	6.01	3.85	2.20
807-SP1812R-104K	SP1812R-104K	100	3.2	250	6.32	6.01	3.85	2.20
807-SP1812R-124K	SP1812R-124K	120	4.6	210	6.32	6.01	3.85	2.20
807-SP1812R-154K	SP1812R-154K	150	5.1	198	6.32	6.01	3.85	2.20
807-SP1812R-184K	SP1812R-184K	180	6.7	172	6.32	6.01	3.85	2.20
807-SP1812R-224K	SP1812R-224K	220	7.5	164	6.32	6.01	3.85	2.20
807-SP1812R-274K	SP1812R-274K	270	9.8	143	6.32	6.01	3.85	2.20
807-SP1812R-334K	SP1812R-334K	330	10.9	136	6.32	6.01	3.85	2.20