

POWER INDUCTORS SHIELDED-SMT PART A



SERIES	SDSIE0403	SDSP0402	SQ8702	SD52	SDQIE0503	SDI7032	SDQIE0504	SDSP0804	SD64	T025	SQ1004	SDSP1306	SDQIE1005
MAXIMUM DIMENSIONS (mm)													
L	6.5	6.6	6.0	6.0	7.6	7.4	7.6	12.9	6.9	10.4	10.5	18.5	12.3
W	6.1	4.4	6.0	5.7	7.6	7.4	7.6	9.5	6.5	9.1	10.1	15.2	12.3
H	3.7	2.9	2.0	2.2	3.4	3.4	4.5	5.1	5.0	7.9	4.02	7.6	6.0
ENERGY STORAGE LIMITS (µJ)*	2.5	5	8.5	9	15	18	18	20	25	25	80	80	150
L (µH)	FALCO PART NUMBER / [MAXIMUM ALLOWABLE CURRENT (Amps)** DCR (mΩ)]												
0.33										T025A2 [12.00 3]			
0.47										T025M2 [6.00 2.3]			SD1012 [18.90 3]
0.56													
0.68					SD0513 [5.50 7.9]								
0.75													SD1005 [16.00 4.2]
0.91													
1.0		DS3003 [3.00 42]			SD0501 [5.00 11.3]			DS0801 [5.00 21]					
1.1													
1.5		DS3009 [2.80 45]						DS0802 [4.50 22]					SD1013 [11.00 6.6]
1.9											SQ1010 [10.00 8]		
2.2		DS3010 [1.80 50]			SD0512 [4.58 22.8]			DS0803 [3.80 33]					SD1004 [10.20 7.8]
2.5													
2.7											SQ1001 [7.50 10]		
2.8													
3.3		DS3011 [1.60 55]						DS0804 [3.30 40]					SD1009 [9.00 8.8]
3.5											SQ1002 [6.00 15]		
4.1													
4.7		DS3012 [1.40 60]		SD5202 [1.63 62]				DS0805 [2.70 55]					SD1003 [8.30 10.6]
5.2											SQ1003 [5.50 22]		SD1011 [7.80 12.6]
6.0													
6.8		DS3005 [1.20 65]						DS0806 [2.20 75]					
7.0											SQ1004 [4.80 28]		
7.8													
8.3													
10.0	SS0401 [1.00 140]	DS3006 [1.00 75]	SQ6203 [1.20 125]		SD0502 [1.65 91.6]		SD0703 [1.81 62.4]	DS0807 [2.00 100]			SQ1005 [4.00 35]	DS1301 [3.90 40]	SD1001 [5.20 23.3]
12.0	SS0402 [0.94 160]				SD0503 [1.50 111.9]		SD0704 [1.69 66.2]						SD1014 [5.10 25.8]
12.5													
15	SS0403 [0.86 180]	DS3007 [0.80 90]	SQ6202 [0.97 190]	SD5201 [0.97 174]	SD0504 [1.31 148.5]		SD0705 [1.45 92.5]	DS0808 [1.50 150]			SQ1006 [3.50 53]	DS1302 [3.40 48]	SD1002 [4.10 35.4]
18	SS0404 [0.76 250]				SD0505 [1.18 159.8]		SD0706 [1.29 103.9]						SD1010 [3.20 39.6]
22	SS0405 [0.78 320]	DS3008 [0.70 110]	SQ6204 [0.80 290]		SD0506 [1.12 216.9]		SD0707 [1.21 125.6]	DS0809 [1.30 210]			SQ1007 [2.50 75]	DS1303 [3.10 60]	SD1015 [3.10 45.6]
27	SS0406 [0.64 360]				SD0507 [0.98 239.8]		SD0707 [1.10 171.3]						SD1016 [2.90 58.8]
33	SS0407 [0.61 410]	DS3013 [0.60 190]	SQ6205 [0.65 385]		SD0508 [0.89 274]		SD0708 [0.94 194.1]	DS0810 [1.10 335]				DS1304 [2.80 75]	SD1016 [2.80 66]
39	SS0408 [0.53 470]				SD0509 [0.75 385.3]		SD0709 [0.89 262.6]						SD1017 [2.60 72]
47	SS0409 [0.50 510]	DS3014 [0.50 230]	SQ6201 [0.54 590]		SD0510 [0.74 411]		SD0710 [0.86 296.8]	DS0811 [0.80 475]			SQ1011 [2.10 155]	DS1305 [2.40 100]	SD1008 [2.50 100]
56	SS0410 [0.46 720]		SQ6206 [0.50 660]		SD0511 [0.65 536.5]		SD0701 [0.75 350]						SD1018 [2.20 128]
68	SS0411 [0.42 820]	DS3015 [0.40 280]									SQ1008 [1.50 240]	DS1306 [2.00 140]	SD1007 [1.95 149]
82													SD1019 [1.90 162]
100		DS3016 [0.30 480]	SQ6207 [0.36 1200]				SD7002 [0.45 540]	SD0711 [0.6 610]	DS0812 [0.61 850]		SQ1009 [1.35 340]	DS1307 [1.70 206]	SD1020 [1.75 174]
120													SD1021 [1.50 246]
150		DS3017 [0.25 600]					SD7001 [0.37 780]					DS1308 [1.30 295]	SD1022 [1.45 274]
180													SD1023 [1.20 360]
220		DS3018 [0.22 770]										DS1309 [1.10 470]	SD1024 [1.10 408]
270													SD1025 [0.95 473]
330		DS3019 [0.20 1400]									SQ1013 [0.70 1100]	DS1310 [0.86 780]	SD1026 [0.9 623]
390													SD1027 [0.82 846]
470		DS3020 [0.19 1800]										DS1311 [0.73 1080]	SD1028 [0.77 950]
560													SD1029 [0.7 1040]
680		DS3021 [0.18 2200]										DS1312 [0.64 1400]	SD1030 [0.64 1440]
820													SD1031 [0.60 1560]
1000		DS3022 [0.16 3400]							SD6401 [0.14 9260]			DS1313 [0.53 2000]	SD1032 [0.55 1800]
1500													
2200		DS3023 [0.12 4200]											
3300		DS3024 [0.10 8500]											
4700		DS3025 [0.08 11000]											
6800		DS3026 [0.06 14000]											
10000		DS3027 [0.04 25000]											
		DS3028 [0.02 33000]											

* The energy stored by the inductor before reaching saturation (1/2 LI²)
 ** The DC current which causes a temperature rise of 30, 40 or 50 °C

POWER INDUCTORS SHIELDED-SMT PART B



SERIES	QPIP1205	HCER1206	HC1035	SDQIE1007	QPIH1205MP	QPIH1205	HCER1305	HCER1355	HC1235	HC1245	HC1255	HC1260
MAXIMUM DIMENSIONS (mm)	FALCO PART NUMBER / [MAXIMUM ALLOWABLE CURRENT (Amps) ** DCR (mΩ)]											
L	12.9	12.9	11.5	12.3	12.9	12.9	13.5	13.5	13.5	14.3	15.0	15.0
W	12.8	12.9	10.2	12.3	12.8	12.8	13.5	13.5	13.5	13.0	13.0	13.0
H	5.7	6.0	4.0	8.0	6.0	6.0	5.0	5.8	3.8	4.5	5.8	6.5
ENERGY STORAGE LIMITS (μH)	150	200	250	250	300	350	500	530	530	755	800	980
L (μH)	FALCO PART NUMBER / [MAXIMUM ALLOWABLE CURRENT (Amps) ** DCR (mΩ)]											
0.33						P1302 [30.00 1.42]	ER1306 [30.70 0.6]					
0.47				SD1209 [23.50 3]								
0.56			HC1010 [15.00 1.76]			P1305 [25.00 1.5]	ER1307 [20.70 1.35]		HC1201 [19.50 1.42]	HC1205 [22.20 1.1]	HC1209 [26.60 0.96]	HC1213 [30.30 0.72]
0.68												
0.75				SD1203 [19.80 4.2]		P1306 [20.00 2.2]	ER1308 [20.70 1.35]					
0.91												
1.0							ER1309 [15.60 2.35]			HC1206 [16.40 2.05]		HC1214 [23.30 1.25]
1.1						P1307 [20.00 2.2]			HC1202 [14.70 2.64]		HC1210 [19.40 1.75]	
1.5		ER1205 [16.50 2.50]		SD1207 [14.60 5.9]			ER1310 [15.60 2.35]			HC1207 [12.10 3.75]		HC1215 [17.50 2.1]
1.9	P1206 [17.90 2.24]				P1401 [15 3.3]	P1311 [15.00 3.3]				HC1203 [10.80 4.9]		HC1211 [15.40 2.6]
2.2	P1201 [17.90 2.24]			SD1210 [12.30 7]			ER1311 [12.40 3.85]					
2.5	P1210 [14.20 3.3]									HC1208 [10.20 5.1]		HC1216 [14.80 2.9]
2.7											HC1212 [12.90 3.65]	
2.8	P1214 [14.20 3.3]								HC1204 [9.05 6.7]			
3.3	P1211 [12.50 4.92]			SD1208 [10.10 7.9]			ER1312 [10.40 5.5]					HC1217 [12.60 3.95]
3.5	P1203 [12.50 4.92]											
4.1	P1202 [14.20 3.3]											
4.1	P1213 [11.70 6.48]							ER1315 [11.5 5.3]				
4.7	P1215 [12.50 4.92]			SD1201 [8.30 9.5]		P1304 [10.50 8]	ER1305 [7.70 12]					
5.2				SD1211 [8.30 9.5]								
6.0		ER1204 [7.50 8]		SD1211 [8.00 11.3]								
6.8	P1205 [11.70 6.48]											
7.0				SD1237 [7.30 14.1]								
7.8												
8.3	P1208 [10.50 8.64]											HC1218 [8.00 10.2]
10.0	P1207 [9.50 10.9]			SD1202 [6.40 20.1]						HC4505 [6.00 20]		
12.0				SD1212 [5.60 23.2]								
12.5	P1212 [9.00 13.3]											
15				SD1213 [4.98 31.9]								
18				SD1214 [4.16 35.6]								
22				SD1215 [3.98 41]								
27				SD1216 [3.75 52.9]								
33				SD1217 [3.40 59.4]								
39				SD1218 [3.20 64.8]								
47				SD1219 [3.00 90]								
56				SD1220 [2.86 115]								
68				SD1221 [2.35 134]								
82				SD1222 [2.00 146]								
100				SD1204 [1.96 156]								
120				SD1223 [1.80 221]								
150				SD1205 [1.55 246]								
180				SD1224 [1.50 324]								
220				SD1206 [1.30 367]								
270				SD1225 [1.20 425]								
330				SD1226 [1.00 560]								
390				SD1227 [0.95 761]								
470				SD1228 [0.92 855]								
560				SD1229 [0.80 936]								
680				SD1230 [0.70 1206]								
820				SD1231 [0.63 1404]								
1000				SD1232 [0.59 1620]								
1500												
2200												
3300												
4700												
6800												
10000												

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