

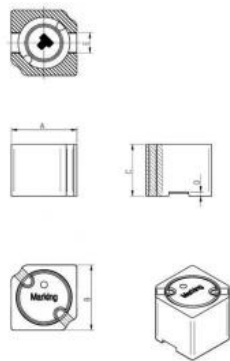
WE-SPC SMD Shielded Power Inductor

Characteristics:

- Extremely small size
- High saturation current, up to 13 A
- Magnetic shielded, which results in a low leakage field
- High self resonance frequency
- Low self-losses
- Optimize solderability characteristics
- Constant saturation characteristics
- Recommended solder profile: Reflow
- Operating temperature: -40 °C up to +125 °C

Applications:

- Portable power devices
- DC/DC converter
- PCMCIA card
- Smart phone
- PDA
- Digital camera



Dimensions

Size	A (mm)	B (mm)	C (mm)	D (mm)	Download
4838	4.80	4.80	3.80	1.40	  

Electrical properties

4838

	Order Code	L (μH)	I _R (A)	I _{sat} (A)	R _{DC typ} (Ω)	R _{DC} (Ω)	f _{res} (MHz)
	744089430022	0.22	5.00	13.0	0.012	0.014	250
	744089430039	0.39	4.20	9.30	0.0135	0.016	160
	744089430056	0.56	3.80	8.10	0.015	0.017	130
	744089430082	0.82	3.40	7.10	0.017	0.020	108
	74408943010	1.0	3.30	6.50	0.019	0.022	90
	74408943022	2.2	3.00	4.60	0.026	0.030	85
	74408943033	3.3	2.60	3.60	0.031	0.036	64
	74408943047	4.7	2.20	3.20	0.045	0.052	44
	74408943068	6.8	2.00	2.70	0.051	0.059	34
	74408943082	8.2	1.75	2.20	0.070	0.081	32

	74408943100	10	1.65	2.10	0.082	0.094	28
	74408943150	15	1.40	1.70	0.118	0.136	22
	74408943220	22	1.10	1.40	0.185	0.213	19
	74408943330	33	0.90	1.20	0.259	0.298	14
	74408943470	47	0.80	1.05	0.305	0.351	12
	74408943560	56	0.70	0.90	0.418	0.481	11
	74408943680	68	0.60	0.85	0.608	0.700	9.5
	74408943820	82	0.58	0.80	0.689	0.750	8
	74408943101	100	0.52	0.68	0.770	0.850	7.8

I_R referring to 40 K heating above ambient temperature.

I_{sat} referring to inductance loss of 35% typical