

SHIELDED POWER INDUCTORS

MEC series: SP5D18



- Magnetically shielded low DC resistance.
- Space saving
- Size: 6.0x6.0x2.0mm
- Inductance Range: 4.1uh – 100uh
- IDC Current Range: 0.36A – 1.95A
- ROHS & REACH compliant, halogen and lead free.

Temperature Range: -40°C to +125°C.

Reel Quantity: 2000pcs

Applications: Power supply, portable computers and equipment, industrial control boards

Part Number	Inductance (μH)	DCR (mΩ) (Max)	IDC (A)
SP5D18-4R1N	4.1±30%	57	1.95
SP5D18-4R7N	4.7±30%	65	1.85
SP5D18-5R4N	5.4±30%	76	1.60
SP5D18-5R6N	5.6±30%	83	1.60
SP5D18-6R2N	6.2±30%	96	1.40
SP5D18-6R8N	6.8±30%	100	1.45
SP5D18-8R2N	8.2±30%	120	1.25
SP5D18-8R9N	8.9±30%	116	1.25
SP5D18-100N	10.0±30%	124	1.20
SP5D18-120N	12.0±30%	153	1.10
SP5D18-150N	15.0±30%	196	0.97
SP5D18-180N	18.0±30%	210	0.85
SP5D18-220M	22.0±20%	290	0.80
SP5D18-270M	27.0±20%	330	0.75
SP5D18-330M	33.0±20%	385	0.65
SP5D18-390M	39.0±20%	520	0.57
SP5D18-470M	47.0±20%	595	0.54
SP5D18-560M	56.0±20%	665	0.50
SP5D18-680M	68.0±20%	840	0.43
SP5D18-820M	82.0±20%	978	0.41
SP5D18-L101M	100.0±20%	1200	0.36

Test frequency at 10KHz

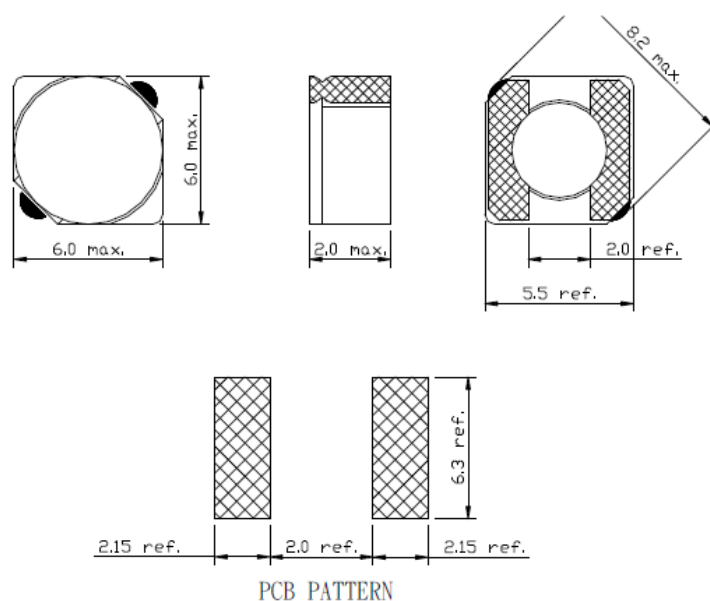
Isat: The DC current at which the inductance drops 35% (typ) from its value without current

Irms: DC current when temperature of coil becomes Δ40°C (Ta=+25C)

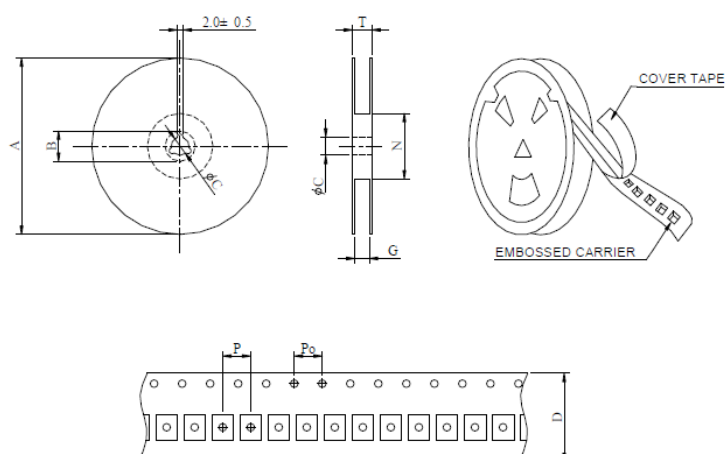
We can offer competitive lead times and prices compared to other EMI passive suppliers. If you are looking for an alternative component then please do not hesitate to contact one of our [global sales offices](#).

SHAPES AND DIMENSIONS

UNIT : mm



PACKAGING SPECIFICATION



SERIES	STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)								
			A	B±0.8	C±0.5	D	G ⁺⁰	N ⁻⁰	P	Po	T
SB5D18	13-16	2000	330	21	13	16	18	50	8	4	22.4

ANNOTATION

All specifications shown herein are typical values and are not guaranteed. It is recommended to test in the application for suitability.