

SHIELDED POWER INDUCTORS

MEC series: SPI63



- Magnetically shielded low DC resistance.
- Low profile, small footprint
- Size: 6.9x6.5x3.0mm
- Inductance Range: 2.9uh – 330uh
- Saturation Current Range: 0.19A – 1.94A
- ROHS & REACH compliant, halogen and lead free.

Please see our [SPI65 Series](#)

Temperature Range: -40°C to +125°C.

Reel Quantity: 1000pcs

Applications: Laptops, LCD, DVC, HDD, gaming devices, converter inductors

Part Number	Inductance (μH)	DCR (Ω) (Max)	IDC (A) (Max)
SPI63-2R9M	2.9±20%	0.07	1.94
SPI63-4R0M	4.0±20%	0.08	1.63
SPI63-5R5M	5.5±20%	0.10	1.40
SPI63-100M	10.0±20%	0.15	1.10
SPI63-120M	12.0±20%	0.20	1.00
SPI63-150M	15.0±20%	0.23	0.90
SPI63-180M	18.0±20%	0.27	0.80
SPI63-220M	22.0±20%	0.34	0.74
SPI63-270M	27.0±20%	0.38	0.66
SPI63-330M	33.0±20%	0.45	0.59
SPI63-390M	39.0±20%	0.49	0.54
SPI63-470M	47.0±20%	0.69	0.50
SPI63-560M	56.0±20%	0.78	0.46
SPI63-680M	68.0±20%	1.07	0.42
SPI63-820M	82.0±20%	1.21	0.38
SPI63-L101M	100.0±20%	1.39	0.34
SPI63-L121M	120.0±20%	1.90	0.31
SPI63-L151M	150.0±20%	2.18	0.28
SPI63-L181M	180.0±20%	2.48	0.26
SPI63-L221M	220.0±20%	3.12	0.23
SPI63-L271M	270.0±20%	4.30	0.22
SPI63-L331M	330.0±20%	4.94	0.19

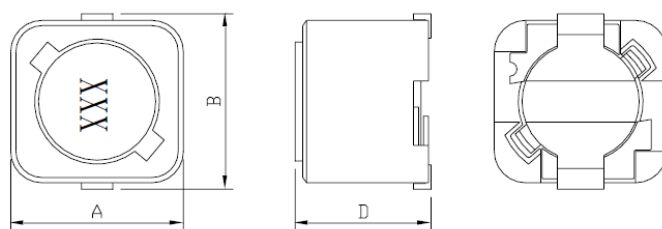
Test Frequency: <10uh: 7.96MHz, >=10uh: 1KHz

DC current at which the inductance drops 25% (typ) from its value without current

Electrical specifications at 20°C

SHAPES AND DIMENSIONS

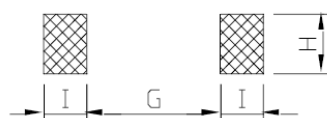
UNIT : mm



A=6.5 Max. B=6.9 Max. D=3.0 Max.

RECOMMENDED PATTERNS

UNIT : mm



G=4.6 B=1.9 D=1.4

PACKAGING SPECIFICATION

SERIES	STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)								
			A	B±0.8	C±0.5	D	G ⁺⁰	N ⁰	P	Po	
SPI63	13-16	1000	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.