

SHEILDED POWER INDUCTORS

MEC series: S318



- Enhanced vibration resistance.
- Size: 4.0x4.0x2.0mm.
- Inductance Range: 1.0 – 47uh.
- Current Range: 0.4 – 2.8A.

[Application Examples](#) [S328 Series](#)

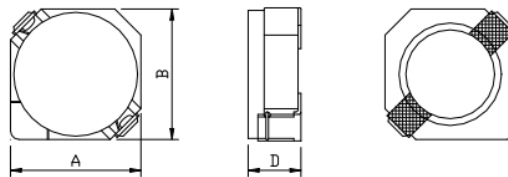
Operating Temperature Range: -40°C to +125°C.

Reel Quantity: 2000pcs

Part Number	Inductance (μH)	DCR (mΩ) Max	Isat (A) (Max)	Irms (A) (Max)	Test Frequency
S318-1R0N	1.0 ± 30%	50	2.80	2.40	100kHz/1V
S318-2R2N	2.2 ± 30%	63	1.80	2.00	100kHz/1V
S318-3R0N	3.0 ± 30%	69	1.60	1.80	100kHz/1V
S318-4R7N	4.7 ± 30%	107.5	1.35	1.35	100kHz/1V
S318-6R8N	6.8 ± 30%	150	1.10	1.10	100kHz/1V
S318-100N	10 ± 30%	205	0.90	0.90	100kHz/1V
S318-120N	12 ± 30%	275	0.80	0.80	100kHz/1V
S318-150N	15 ± 30%	302	0.75	0.75	100kHz/1V
S318-220N	22 ± 30%	424	0.60	0.60	100kHz/1V
S318-330N	33 ± 30%	640	0.50	0.45	100kHz/1V
S318-470N	47 ± 30%	964	0.40	0.35	100kHz/1V

SHAPES AND DIMENSIONS

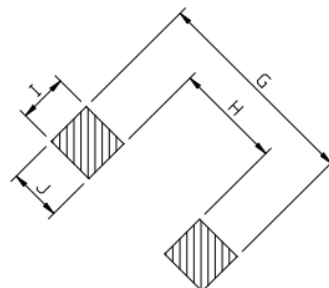
UNIT : mm



A=4.00 max. B=4.00 max. D=2.0 max.

RECOMMENDED PATTERNS

UNIT : mm



G= 5.2 H= 2.4 I = 1.5 J = 1.4