

## MTSNR4018 Series Resin Shield Inductors - 4018 Size

Webpage



Sample kit



Buy Online



Support



Tools



### Features

- Low DC resistance
- Robust construction
- Temperature stability
- High saturation current
- Low profile construction
- Use magnetic resin for shielding
- Operating temperature:  $-40\text{ }^{\circ}\text{C}$  to  $+125\text{ }^{\circ}\text{C}$

### Product Image

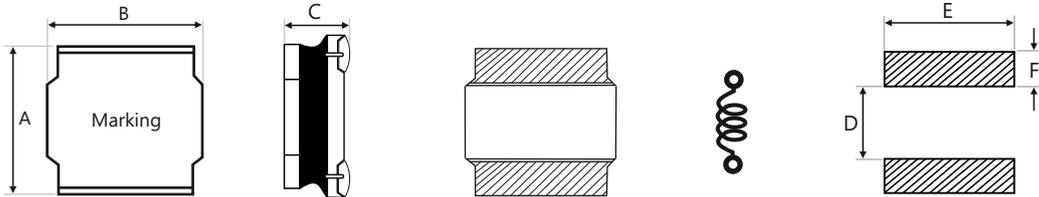


\*Displayed image is only for reference purpose, original product may vary.

### Applications

- Charger
- Set Top Box
- Control Cards
- DC-DC converter
- BLDC Controllers
- Power Supplies (SMPS)
- Vehicle Tracking System

### Dimensions



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
$4.0 \pm 0.2$	$4.0 \pm 0.2$	1.8 Max	1.9 Ref	3.7 Ref	1.1 Ref

### Electrical Specifications

Part Number	Inductance, L (uH)	Tol.	DCR ( $\Omega$ ) $\pm 20\%$	I <sub>r</sub> (A)	I <sub>sat</sub> (A)
MTSNR40181R0	1	$\pm 30\%$	0.045	3.2	4
MTSNR40182R2	2.2	$\pm 30\%$	0.07	2.2	3
MTSNR40183R3	3.3	$\pm 30\%$	0.087	2	2.3
MTSNR40184R7	4.7	$\pm 30\%$	0.135	1.7	2
MTSNR40186R8	6.8	$\pm 30\%$	0.175	1.45	1.6
MTSNR4018100	10	$\pm 20\%$	0.26	1.2	1.3
MTSNR4018150	15	$\pm 20\%$	0.385	0.85	1.1
MTSNR4018220	22	$\pm 20\%$	0.5	0.72	0.9
MTSNR4018330	33	$\pm 20\%$	0.46	0.55	0.7
MTSNR4018470	47	$\pm 20\%$	0.65	0.44	0.6
MTSNR4018680	68	$\pm 20\%$	1	0.32	0.52
MTSNR4018101	100	$\pm 20\%$	1.45	0.28	0.42
MTSNR4018151	150	$\pm 20\%$	2.3	0.22	0.34
MTSNR4018221	220	$\pm 20\%$	3.8	0.17	0.28
MTSNR4018331	330	$\pm 20\%$	6.5	0.14	0.2

Test Equipment: CH1062A / CH1320%

Measurement ambient temperature: at  $25\text{ }^{\circ}\text{C}$

I<sub>sat</sub>: The saturation current value is the DC current value having inductance decrease by 30%

NOTE:

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