

## MTSNR8040 Series Resin Shield Inductors - 8040 Size

Webpage



Sample kit



Buy Online



Support



Tools



### Features

- Mechanically stable
- Temperature stability
- High saturation current
- Low profile construction
- Use magnetic resin for shielding
- Operating temperature: -40 °C to +125 °C

### Product Image

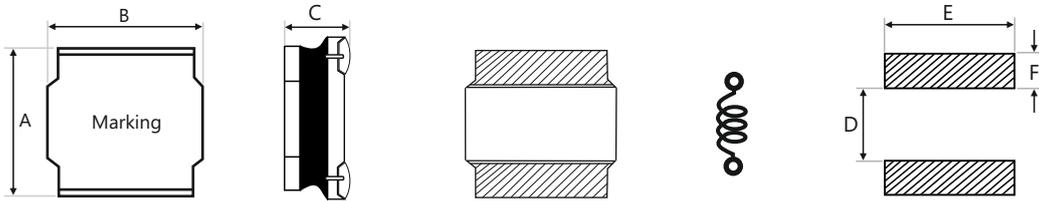


\*Displayed image is only for reference purpose, original product may vary.

### Applications

- Set Top Box
- DC-DC converter
- BLDC Controllers
- Power Supplies (SMPS)
- High frequency charger
- Vehicle Tracking System

### Dimensions



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
8.0 ± 0.3	8.0 ± 0.3	4.2 Max	3.8 Ref	7.5 Ref	2.2 Ref

### Electrical Specifications

Part Number	Inductance, L (uH)	Tol.	DCR (Ω) ± 30%	I <sub>r</sub> (A)	I <sub>sat</sub> (A)
MTSNR80401R4	1.4	± 30%	0.009	7.8	10.8
MTSNR80402R0	2	± 30%	0.012	7.4	9.6
MTSNR80403R6	3.6	± 30%	0.015	4.9	6.4
MTSNR80404R7	4.7	± 30%	0.018	5.5	6
MTSNR80406R8	6.8	± 20%	0.025	5.1	5.4
MTSNR80408R2	8.2	± 20%	0.029	3.9	4.7
MTSNR8040100	10	± 20%	0.038	3.8	4.3
MTSNR8040120	12	± 20%	0.045	3.5	4.2
MTSNR8040150	15	± 20%	0.05	3.2	3.6
MTSNR8040220	22	± 20%	0.08	2.6	2.8
MTSNR8040330	33	± 20%	0.11	2	2.3
MTSNR8040470	47	± 20%	0.16	1.75	2.1
MTSNR8040680	68	± 20%	0.24	1.45	1.7
MTSNR8040820	82	± 20%	0.292	1.15	1.3
MTSNR8040101	100	± 20%	0.34	1.1	1.4
MTSNR8040121	120	± 20%	0.434	0.95	1.05
MTSNR8040151	150	± 20%	0.533	0.85	1.1
MTSNR8040221	220	± 20%	0.779	0.8	0.85
MTSNR8040331	330	± 20%	1.156	0.64	0.68
MTSNR8040471	470	± 20%	1.625	0.5	0.6
MTSNR8040681	680	± 20%	2.652	0.45	0.5
MTSNR8040102	1000	± 20%	3.64	0.35	0.4

NOTE:

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