



DESCRIPTION

The MPL-SE series is shielded by an external magnetic epoxy resin, providing better magnetic characteristics. Their design offers a low DCR and higher current capabilities.

APPLICATIONS

- Battery-Powered Devices
- IoT
- Wearable
- Portable Devices
- Input Filters

FEATURES

- Semi-Shielded Construction
- Low Stray Field
- Low DCR
- RoHS/REACH-Compliant, Halogen-Free

INCLUDED IN THIS SAMPLE KIT

| Order Code | L (μ H) | R _{DC} (m Ω) | I _R (A) | I _{SAT} (A) | Units |
|----------------|--------------|-------------------------------|--------------------|----------------------|-------|
| MPL-SE2512-R47 | 0.47 | 20 | 4.5 | 6.5 | 16 |
| MPL-SE2512-R68 | 0.68 | 28 | 3.9 | 5 | 16 |
| MPL-SE2512-1R0 | 1.0 | 35 | 3.4 | 4.2 | 16 |
| MPL-SE2512-1R5 | 1.5 | 50 | 2.9 | 3.2 | 16 |
| MPL-SE2512-2R2 | 2.2 | 72 | 2.5 | 2.7 | 16 |
| MPL-SE2512-3R3 | 3.3 | 90 | 2.1 | 2.4 | 16 |
| MPL-SE2512-4R7 | 4.7 | 165 | 1.6 | 1.9 | 16 |
| MPL-SE2512-6R8 | 6.8 | 305 | 1.2 | 1.6 | 16 |
| MPL-SE2512-100 | 10 | 410 | 1.1 | 1.3 | 16 |
| MPL-SE2512-150 | 15 | 620 | 0.85 | 0.90 | 16 |
| MPL-SE2512-220 | 22 | 885 | 0.70 | 0.80 | 16 |

All MPS parts are lead-free, halogen-free, and adhere to the RoHS directive. For MPS green status, please visit the MPS website under Quality Assurance. "MPS", the MPS logo, and "Simple, Easy Solutions" are registered trademarks of Monolithic Power Systems, Inc. or its subsidiaries.

PRODUCT PACKAGE AND DIMENSIONS
Dimensions

200mmx36mmx140mm (LxHxW)


ORDERING INFORMATION

| Order Code | Description | Series | Package(s) |
|------------|---------------------|--------|------------|
| EVSK-006 | Inductor sample kit | MPL-SE | 2512 |

ADDITIONAL SAMPLE KITS AVAILABLE

| Order Code | Description | Series | Package(s) |
|------------|---------------------|--------|--------------------------|
| EVSK-001 | Inductor sample kit | MPL-AT | 2010/2512/2514 |
| EVSK-002 | Inductor sample kit | MPL-AY | 3020/4020 |
| EVSK-003 | Inductor sample kit | MPL-AY | 1050/1265 |
| EVSK-004 | Inductor sample kit | MPL-AL | 4020/5030/5050/6050/6060 |
| EVSK-005 | Inductor sample kit | MPL-SE | 4030/5040/6040 |

Order directly from MonolithicPower.com or our distributors.

REVISION HISTORY

| Revision # | Revision Date | Description | Pages Updated |
|------------|---------------|-----------------|---------------|
| 1.0 | 3/21/2022 | Initial Release | - |

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