



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 (μH)	R _{DC} (mΩ)	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	-

Notice: The information in this document is subject to change without notice. Please contact MPS for current specifications. Users should warrant and guarantee that third-party Intellectual Property rights are not infringed upon when integrating MPS products into any application. MPS will not assume any legal responsibility for any said applications.