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

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	-