



EVSK-005 Power Inductor Sample Kit

**MPL-SE Semi-Shielded Inductor Series,
Sizes 4030/5040/6040**



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
- High-Efficiency SMPS
- Embedded computing
- Portable Devices
- Input Filters

FEATURES

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

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.

INCLUDED IN THIS SAMPLE KIT

Order Code	L (μH)	R _{DC} (mΩ)	I _R (A)	I _{SAT} (A)	Units
MPL-SE4030-1R0	1.0	12.5	6.3	7.5	15
MPL-SE4030-2R2	2.2	30	3.9	5.5	15
MPL-SE4030-3R3	3.3	39.8	3.45	4.1	15
MPL-SE4030-4R7	4.7	63	2.6	3.7	15
MPL-SE4030-6R8	6.8	83	2.4	3.3	15
MPL-SE4030-100	10	97	2.2	2.4	15
MPL-SE4030-150	15	185	1.6	1.95	15
MPL-SE4030-220	22	219	1.5	1.65	15
MPL-SE5040-1R0	1.0	9.4	7.6	10.5	15
MPL-SE5040-2R2	2.2	16	5.4	7.9	15
MPL-SE5040-3R3	3.3	22	5.2	6.4	15
MPL-SE5040-4R7	4.7	33	4.3	5	15
MPL-SE5040-6R8	6.8	45	3.5	4.6	15
MPL-SE5040-100	10	56	3.2	3.6	15
MPL-SE5040-150	15	83	2.5	2.9	15
MPL-SE5040-220	22	124	2.1	2.4	15
MPL-SE6040-1R5	1.5	11.5	6.8	8.9	12
MPL-SE6040-2R2	2.2	14.5	6.3	7.2	12
MPL-SE6040-4R7	4.7	23	5.2	5	12
MPL-SE6040-6R8	6.8	33	4.4	4.1	12
MPL-SE6040-8R2	8.2	39	4	3.6	12
MPL-SE6040-100	10	41	3.8	3.4	12
MPL-SE6040-150	15	70	2.8	2.7	12
MPL-SE6040-220	22	97	2.35	2.25	12

PRODUCT PACKAGE AND DIMENSIONS
Dimensions

200mmx36mmx140mm (LxHxW)


ORDERING INFORMATION

Order Code	Description	Series	Package(s)
EVSK-005	Inductor sample kit	MPL-SE	4030/5040/6040

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-006	Inductor sample kit	MPL-SE	2512

Order directly from [MonolithicPower.com](https://www.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.