EVSK-001 Power Inductor Sample Kit

MPL-AT Low-Profile Molded Inductor Series, Sizes 2010/2512/2514

DESCRIPTION

The MPL-AT series offers a very low profile for applications in which height is a design restriction. This series offers low DCR and the ability to handle high currents.

APPLICATIONS

- Battery-Powered Devices
- High Switching Frequency SMPS
- IoT
- Wearable Devices
- Portable Devices
- Input Filters

FEATURES

- Low Audible Noise
- Molded Construction
- Soft Saturation
- Stable across High Temperatures
- 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-AT2010-R47	0.47	27	4.4	5.7	16
MPL-AT2010-1R0	1.0	50	3.2	4.2	16
MPL-AT2010-2R2	2.2	137	2.2	2.7	16
MPL-AT2010-4R7	4.7	215	1.5	1.9	16
MPL-AT2512-R47	0.47	19	5.5	6.4	16
MPL-AT2512-1R0	1.0	35	4.0	5.2	16
MPL-AT2512-1R5	1.5	56	3.2	4.2	16
MPL-AT2514-2R2	2.2	70	2.6	3.4	16
MPL-AT2512-3R3	3.3	121	2.0	2.7	16
MPL-AT2514-4R7	4.7	180	1.7	2.4	16
MPL-AT2512-6R8	6.8	280	1.4	2.2	16
MPL-AT2512-100	10	355	1.2	1.7	16

PRODUCT PACKAGE AND DIMENSIONS

Dimensions	
200mmx36mmx140mm	(LxHxW)

ORDERING INFORMATION

Order Code	Description	Series	Package(s)
EVSK-001	Inductor sample kit	MPL-AT	2010/2512/2514

ADDITIONAL SAMPLE KITS AVAILABLE

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

Order directly from MonolithicPower.com or our distributors.

REVISION HISTORY

Revision #	Revision Date	Description	Pages Updated
1.0	3/17/2022	Initial Release	-