EVSK-003 Power Inductor Sample Kit

MPL-AY Molded Inductor Series, Sizes 1050/1265

DESCRIPTION

The MPL-AY series offers low DCR/ACR and the ability to handle high currents.

APPLICATIONS

- Battery-Powered Devices
- High Switching Frequency SMPS
- High-Current SMPS
- POL Converters
- 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-AY1050-1R0	1.0	2.6	19	33	10
MPL-AY1050-1R5	1.5	3.4	17	26.5	10
MPL-AY1050-2R2	2.2	4.9	15	19.5	10
MPL-AY1050-3R3	3.3	8	12.5	17	10
MPL-AY1050-4R7	4.7	9.5	11.5	15	10
MPL-AY1050-5R6	5.6	13	9.8	14	10
MPL-AY1050-6R8	6.8	15	9	13	10
MPL-AY1050-100	10	19	7.8	12	10
MPL-AY1265-1R0	1.0	1.5	25.5	43	10
MPL-AY1265-2R2	2.2	3.7	17	26.5	10
MPL-AY1265-3R3	3.3	5.5	16	25	10
MPL-AY1265-4R7	4.7	7	14	23	10
MPL-AY1265-5R6	5.6	8.6	13	20	10
MPL-AY1265-6R8	6.8	9.9	12	19.5	10
MPL-AY1265-8R2	8.2	12.5	11.5	18	10
MPL-AY1265-100	10	13.3	10.7	16	10
MPL-AY1265-150	15	21.8	8.5	12	10
MPL-AY1265-220	22	31.4	7	9	10

PRODUCT PACKAGE AND DIMENSIONS

Dimensions	
275mmx40mmx185mm	(LxHxW)

ORDERING INFORMATION

Order Code	Description	Series	Package(s)
EVSK-003	Inductor sample kit	MPL-AY	1050/1265

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-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	3/21/2022	Initial Release	-