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

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.

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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

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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.

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REVISION HISTORY

Revision #	Revision Date	Description	Pages Updated
1.0	3/21/2022	Initial Release	-

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