



DESCRIPTION

The MPL-AY series offers low DCR and ACR, as well as 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 (μ H)	R _{DC} (m Ω)	I _R (A)	I _{SAT} (A)	Units
MPL-AY3020-R47	0.47	19.5	6.3	9	15
MPL-AY3020-R68	0.68	26	5.15	8.6	15
MPL-AY3020-R82	0.82	28	4.7	8	15
MPL-AY3020-1R0	1.0	30	4.3	6.2	15
MPL-AY3020-1R5	1.5	35	3.4	5.9	15
MPL-AY3020-2R2	2.2	64	3.0	5.3	15
MPL-AY3020-3R3	3.3	121	2.5	3.7	15
MPL-AY3020-4R7	4.7	173	2.0	3.1	15
MPL-AY3020-5R6	5.6	209	1.8	2.8	15
MPL-AY3020-6R8	6.8	250	1.65	2.6	15
MPL-AY3020-8R2	8.2	345	1.4	1.95	15
MPL-AY3020-100	10	370	1.3	1.75	15
MPL-AY4020-5R6	5.6	97	2.45	2.6	15
MPL-AY4020-6R8	6.8	129	2.2	2.4	15
MPL-AY4020-8R2	8.2	136	2.1	2.1	15
MPL-AY4020-100	10	163	1.9	2	15

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.



REVISION HISTORY

Revision #	Revision Date	Description	Pages Updated
1.0	3/17/2022	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.