



ECS Inc. International offers an extensive line of small form factor shielded power inductors for DC/DC power application. These power inductors offer a wide frequency response 20 kHz to 10 MHz for smoother current saturation and can handle high transient inrush current spikes. They have wide inductance values and extended temperature range options available. Inductors are used in many applications like consumer electronics, industrial, medical, telecom, and automotive.

Model Information	Package Size (mm)	OCL (μ H)	DCR (m Ω)	I_{sat}^3 (Amps)	I_{rms}^2 (Amps)	Inventory
ECS-MPI2520R0	2.5 x 2.0 x 1.0	0.47 - 10	28 - 500	1.1 - 4.4	1.2 - 4.1	Inventory
ECS-MPI2520R1	2.5 x 2.0 x 1.2	0.47 - 10	20 - 390	1.2 - 4.8	1.1 - 4.5	Inventory
ECS-MPI4040R1*	4.7 x 4.31 x 1.2	0.09 - 10.0	8.5 - 370	2.8 - 32	1.2 - 8	Inventory
ECS-MPI4040R2*	4.7 x 4.31 x 1.5	0.47 - 10.0	13 - 240	3.1 - 12.2	1.5 - 6.4	Inventory
ECS-MPI4040R3*	4.7 x 4.31 x 1.85	0.22 - 22.0	5.8 - 408	2.2 - 20	1.1 - 8	Inventory
ECS-MPI4040R4*	4.7 x 4.31 x 2.0	0.22 - 22.0	5.3 - 316	1.8 - 15	1.3 - 10.1	Inventory
ECS-MPIL0530	5.49 x 5.18 x 3.0	0.68 - 22.0	12 - 324	3 - 14	2.0 - 8.5	Inventory
ECS-HCMPI-0502Q*	5.5 x 5.3 x 1.9	0.15 - 1.50	4.6 - 18.7	13.3 - 30	8.8 - 18.8	Inventory
ECS-HCMPI-0503Q*	5.5 x 5.3 x 2.9	0.15 - 4.7	2.31 - 36.3	8.2 - 36	5.9 - 22.2	Inventory
ECS-MPIL0630	7.4 x 6.6 x 3.0	0.47 - 22.0	4.1 - 135	3 - 20	2.5 - 18	Inventory

Technical Resources:

- [ECS Inc. International Product Catalog](#)
- [Video Learning Resources](#)
- [Technical Guides + White Papers](#)
- [ECS Inc. International Website](#)

Features:

- Small Form Factor
- Magnetically Shielded
- Low EMI
- AEC-Q200 Available
- RoHS and REACH Compliant

Applications:

- Mobile and Battery-Powered Devices
- Entertainment
- Automotive
- DC/DC Converters