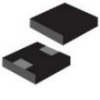


ECS Inc. International has an extensive line of small form factor shielded power inductors. These power inductors offer a wide frequency response 20 kHz to 10 MHz for smoother current saturation and can handle high transient inrush current spikes. They have wider inductance values and their lower DC resistance reduces DC and AC losses.

That makes them perfect for cleaning up your DC to DC converters and high frequency switch mode power supplies. They offer the highest performance for your IoT products, laptops, handheld, and portable devices.

Image	Model Information	Package Size (LWH) mm	OCL (μH)	DCR ($\text{m}\Omega$)	I_{sat} (Amps)	I_{rms} (Amps)	Inventory
	ECS-MPI2520R0	2.5 x 2.0 x 1.0	0.47 – 4.7	28 – 240	1.1 – 4.4	1.4 – 4.1	Inventory
	ECS-MPI2520R1	2.5 x 2.0 x 1.2	0.47 – 10.0	20 – 390	1.2 – 4.8	1.1 – 4.5	Inventory
	ECS-MPI4040R1 *AEC-Q200*	4.7 x 4.31 x 1.2	0.09 – 10.0	8.5 – 370	2.8 – 32.0	1.2 – 8.0	Inventory
	ECS-MPI4040R2 *AEC-Q200*	4.7 x 4.31 x 1.5	0.47 – 10.0	13.0 – 240	3.1 – 12.2	1.5 – 6.4	Inventory
	ECS-MPI4040R3 *AEC-Q200*	4.7 x 4.31 x 1.85	0.22 – 22.0	5.8 – 408	2.2 – 20.0	1.1 – 8.0	Inventory
	ECS-MPI4040R4 *AEC-Q200*	4.7 x 4.31 x 2.0	0.22 – 22.0	5.3 – 316	1.8 – 15.0	1.3 – 10.1	Inventory
	ECS-MPIL0530	5.49 x 5.18 x 3.0	0.68 – 22.0	11.0 – 270	3.0 – 14.0	2.0 – 8.5	Inventory
	ECS-HCMPI-0502Q *AEC-Q200*	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 *AEC-Q200*	5.5 x 5.3 x 2.9	0.15 – 4.70	2.31 – 36.30	8.2 – 36.0	5.9 – 22.2	Inventory
	ECS-MPIL0630	7.4 x 6.6 x 3.0	0.47 – 22.0	3.4 – 125	3.0 – 20.0	2.5 – 18.0	Inventory

Technical Resources:

- [Video Learning](#)
- [ECS Website](#)
- [Technical Guides](#)
- [2020 ECS Catalog](#)

Features:

- Magnetically Shielded
- Low power (DC and AC Losses)
- Soft saturation to absorb current spikes
- Lead Free
- RoHS and REACH Compliant
- MSL 1

Applications:

- Driver Assistance
- Automotive
- Information
- Entertainment
- LED Lighting Drivers
- POL Converters