

POWER INDUCTORS

Power inductors recommended for switch-mode power supplies (SMPS), DC-DC converters and high power passive filters. Available through any authorized distributor.

ATCA SERIES HIGH POWER TOROIDS

ATCA toroid inductors utilizing high efficiency, powdered iron core are designed for high power applications where through-hole assembly technology is used. Unshielded, the toroidal form-factor inherently suppresses EMI. Supporting either vertical or horizontal orientations, these inductors can be placed in orthogonal orientation with respect to each other, further reducing coupling and crosstalk due to EMI. They support current rating up to 10A and extended operating temperature range of -40°C to 105°C.

Part Number (Not Including Inductance Code)	Inductance Range (μ H)	DCR Range (m Ω)	IDC Range (A)	Applications
ATCA-01-XXXM	20-220	21-190	1.0-5.0	Industrial High power SMPS LED ballasts Lighting White goods Appliances High power passive filters
ATCA-01-XXXM	22-470	14-286	1.0-5.0	
ATCA-03-XXXM	25-230	16-159	1.0-5.0	
ATCA-04-XXXM	50-960	22-150	1.0-5.0	
ATCA-05-XXXM	90-1800	34-680	1.0-5.0	
ATCA-06-XXXM	820-780	33-342	1.0-5.0	
ATCA-07-XXXM	30-850	9-211	2.0-10.0	
ATCA-07-XXXM	75-680	14-105	5.0-10.0	

ASPMH & ASMCI: CHIP INDUCTORS FOR SPACE CONSTRAINED APPLICATIONS

The ASPMH and ASMCI series of inductors are high current chip inductors designed for wearables, IoT, point of load (POL) and battery operated applications where space is constrained. The series supports multiple form factors including 1.6x0.8x0.8mm, 2.0x1.25x1.25mm and 2.5x2.0x0.9mm with current rating up to 1.5A and inductances up to 10 μ H.

ASPI: MEDIUM & HIGH POWER APPLICATIONS

The ASPI series of low profile inductors feature a wide variety of low profile shielded SMD inductors optimized for medium to high power applications where size is critical. Featuring inductance values up to 1000uH and current rating up to 10A this family provides standard and extended temperature range options as wide as -55°C to 125°C for applications where self-heating is a factor.

ADDITIONAL CUSTOM AND GENERAL PURPOSE INDUCTORS AVAILABLE



AIRD-06



AISR-875



AISC-1210H



AISC-2220H



AISM-1008



AISM-1210