

# HIGH POWER TOROID INDUCTORS

Abrakon's ATCA line of 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 minimizes electromagnetic emissions. Supporting either vertical or horizontal orientations, these inductors can be placed with orthogonal orientation with respect to each other, further reducing coupling and crosstalk due to EMI. With current rating up to 10A and extended operating temperature range of -40°C to 105°C, ideal applications include industrial, high power and LED ballasts.

## FEATURES

- Low EMI/RFI toroid topology
- High current rating up to 10A
- High efficiency powdered iron core
- Wide operating temperature range of -40°C to 105°C
- Vertical or horizontal orientation optimizes EMI/RFI
- Compatible with low cost throughhole assembly

## APPLICATIONS

- High power switch-mode power supplies
- High power LED ballasts
- Power line filters
- High power audio filters
- Solar inverters
- White goods
- Motor drivers

Part Number	Inductance Range (μH)	DCR Range (mΩ)	IDC Range (A)
ATCA-01-XXXM	20-220	21-190	1.0-5.0
ATCA-02-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-08-XXXM	75-680	14-105	5.0-10.0

\*Example Part #: ATCA-08-680M (680 μH)