



SURFACE-MOUNTED TOROIDAL COILS

ASTC SERIES

ASTC-01, 02

FEATURES:

- Higher Frequency
- Low Saturation
- Low EMI Radiation
- Pick and Place

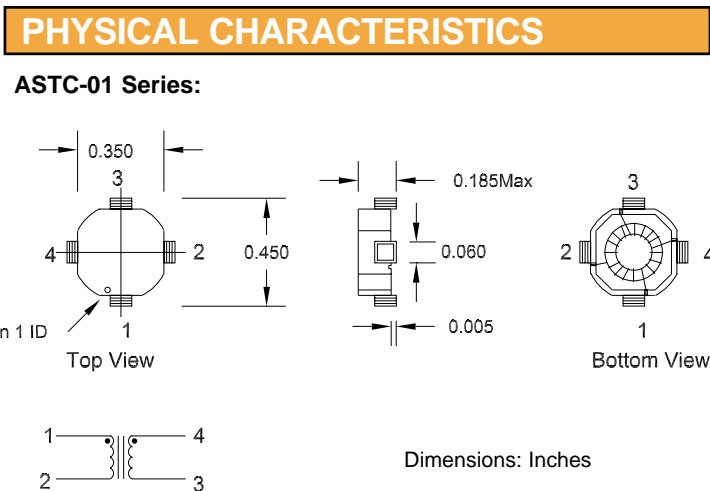
OPTIONS:

- Tape and Reel is Standard
- Custom Design Available
- CMC Design Available

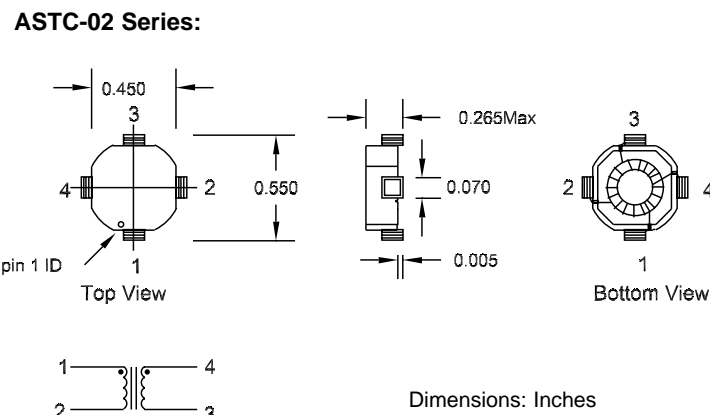
COMMON APPLICATIONS:

- Electronic Appliances
- DC/DC Conversion (Parallel Mode)
- Isolation/Coupling (Transformer)
- Input Filter (Serial Mode)

STANDARD SPECIFICATIONS			
Part Number	L (μH) ± 20%	DCR Max Parallel (mΩ)	DC Bias Parallel (A)
ASTC-01 Series			
ASTC-01-1	0.37	5	5.3
ASTC-01-2	0.58	5	4.8
ASTC-01-3	1.13	10	4.5
ASTC-01-4	2.30	15	3.5
ASTC-01-5	5.17	42	2.0
ASTC-01-6	8.30	52	1.8
ASTC-01-7	10.10	57	1.7
ASTC-01-8	15.54	87	1.5
ASTC-01-9	20.70	160	1.0
ASTC-01-10	25.20	175	1.0
ASTC-01-11	33.00	250	0.8
ASTC-01-12	48.66	310	0.7



STANDARD SPECIFICATIONS			
Part Number	L (μH) ± 20%	DCR Max Parallel (mΩ)	DC Bias Parallel (A)
ASTC-02 Series			
ASTC-02-1	0.49	5	7.8
ASTC-02-2	0.76	6	7.0
ASTC-02-3	1.10	9	5.8
ASTC-02-4	1.95	14	4.5
ASTC-02-5	5.15	27	3.3
ASTC-02-6	7.81	32	3.0
ASTC-02-7	9.88	46	2.5
ASTC-02-8	14.76	56	2.3
ASTC-02-9	20.60	85	1.9
ASTC-02-10	25.60	115	1.6
ASTC-02-11	33.20	165	1.3
ASTC-02-12	48.80	200	1.2



TECHNICAL INFORMATION:

- Inductance measure at 100KHz 0.1VRms.
- Insulation Resistance: 100Vdc 1KMΩ min.
- Turns Ratio: 1:1 ± 0%
- Soldering temperature: 260°C for 4±1 seconds
- Operating temperature: -40°C to +125°C
- Different package available per special request
- Max of 35% saturation on DC bias applied
- Please check with Abracon engineering staff for detail specification

Note: All specifications subject to change without notice.

