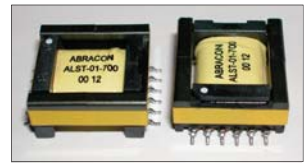


# EFD SMT INDUCTOR/TRANSFORMER

## ALST-01, 02, 03 SERIES



### FEATURES:

- Higher Frequency
- Low saturation
- Low EMI radiation
- Multi-windings

### OPTIONS:

- Bulk Pack is standard
- Custom design available

### APPLICATIONS:

- SMPS
- DC/DC converter

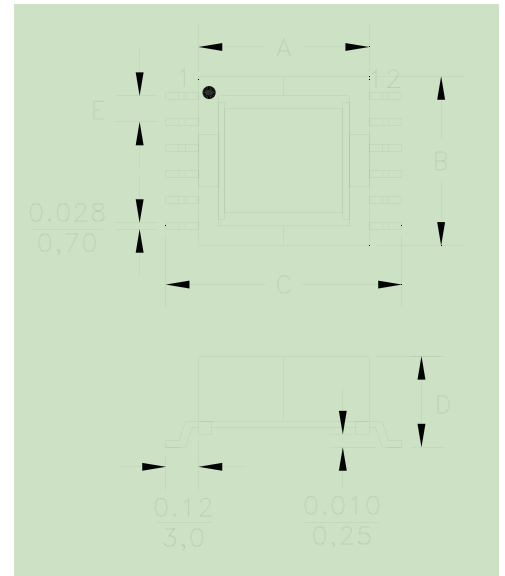
### STANDARD SPECIFICATIONS:

Part Number ALST-01-	L (μH) ± 20%	Leakage (μH) Max	DCR Max (Ω) Max	I <sub>DC</sub> (A) Max
3R8	3.8	0.20	0.061	1.73
4R5	4.5	0.20	0.061	1.46
6R8	6.8	0.20	0.061	0.97
11R2	11.2	0.20	0.061	0.59
63R2	63.2	0.20	0.061	0.10

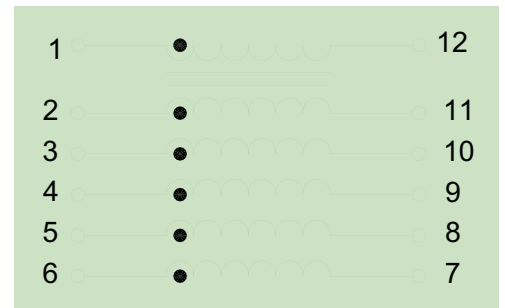
Part Number ALST-02-	L (μH) ± 20%	Leakage (μH) Max	DCR Max (Ω) Max	I <sub>DC</sub> (A) Max
3R8	3.8	0.20	0.057	2.81
4R9	4.9	0.20	0.057	2.18
6R1	6.1	0.20	0.057	1.75
11R3	11.3	0.20	0.057	0.95
69R7	69.7	0.20	0.057	0.15

Part Number ALST-03	L (μH) ± 20%	Leakage (μH) Max	DCR Max (Ω) Max	I <sub>DC</sub> (A) Max
3R4	3.4	0.20	0.047	4.59
4R3	4.3	0.20	0.047	3.63
5R3	5.3	0.20	0.047	2.95
9R9	9.9	0.20	0.047	1.60
76R8	76.8	0.20	0.047	0.20

### PHYSICAL CHARACTERISTICS:



### SCHEMATIC:



### TECHNICAL INFORMATION:

- Inductance measured at Pin 1-2, 100KHz 0.1V<sub>RMS</sub>
- Add - M for 20% inductance tolerance
- DCR measured at each winding
- Leakage measure at pin 1-12 with all other windings shorted
- Insulation Resistance: 500 VDC, 1KMΩ min. (windings to windings)
- Hipot: 500V<sub>RMS</sub>, 1 minute, windings to windings
- Turns ratio: 1:1:1:1:1:1 ± 2 % (windings to windings)
- Polarity: 1, 2, 3, 4, 5, 6 are in phase
- I<sub>DC</sub>: Max of 30% L drops from initial value (10% typical)
- I<sub>RMS</sub>: DT of 40°C max (01=1.5A, 02=1.70A, 03=2.00A) (with all windings parallel connected)
- RoHS Compliance product

Note: All specifications subject to change without notice.

	ALST-01	ALST-02	ALST-03
A Typ	0.63 16,0	0.71 18,0	0.83 21,0
B Max	0.67 17,1	0.71 18,0	0.83 21,0
C Max	0.88 22,3	0.97 24,6	1.12 28,5
D Max	0.33 8,4	0.39 10,0	0.43 10,8
E	0.100 2,54	0.098 2,50	0.118 3,00

inch/mm