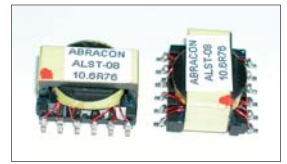


EFD SMT INDUCTOR/TRANSFORMER

ALST-06, 08 SERIES



FEATURES:

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

OPTIONS:

- Bulk Pack is standard
- Custom design available

APPLICATIONS:

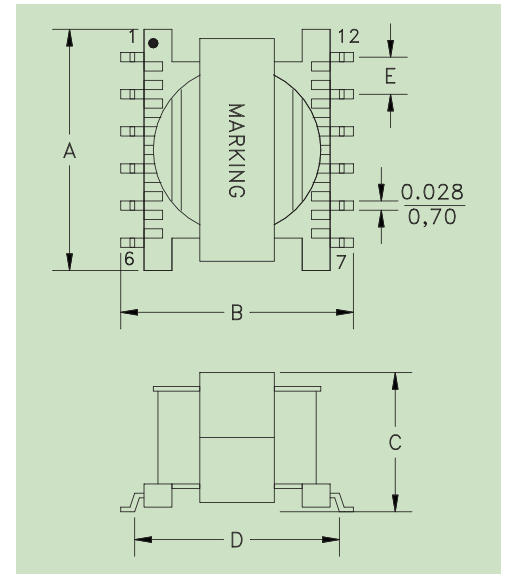
- SMPS
- DC/DC converter

STANDARD SPECIFICATIONS:

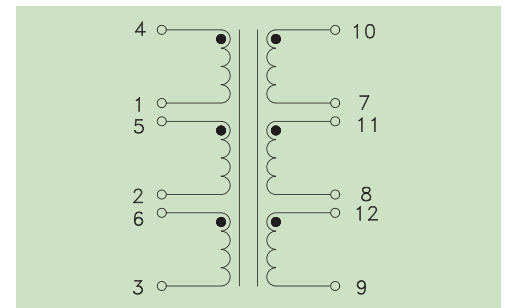
Part Number	L (μ H) $\pm 20\%$	I _{DC} (A) Max	I _{RMS} (A) Max	Leakage (μ H) Typ.	ET V- μ SEC Max	DCR (Ω) Max
ALST-06-						
201-R04	201.6	0.04	0.55	0.212	32.9	0.344
900-R06	89.6	0.06	0.85	0.096	21.8	0.145
270-R29	27.4	0.49	0.55	0.212	32.9	0.344
120-R43	12.2	0.43	0.85	0.096	21.8	0.145
140-R53	14.7	0.53	0.55	0.212	32.9	0.344
6.5-R8	6.5	0.80	0.85	0.096	21.8	0.145
110-R7	10.9	0.72	0.55	0.212	32.9	0.344
50-1R0	4.9	1.06	0.85	0.096	21.8	0.145
8.5-R92	8.5	0.92	0.55	0.212	32.9	0.344
3.8-1R4	3.8	1.37	0.85	0.096	21.8	0.145

Part Number	L (μ H) $\pm 20\%$	I _{DC} (A) Max	I _{RMS} (A) Max	Leakage (μ H) Typ.	ET V- μ SEC Max	DCR (Ω) Max
ALST-08-						
161-R07	160.0	0.07	0.95	0.165	48.3	0.159
780-R1	78.4	0.10	1.26	0.083	33.7	0.090
21.6-R53	21.6	0.53	0.95	0.165	48.3	0.159
10.6-R76	10.6	0.76	1.26	0.083	33.7	0.090
11.6-R99	11.6	0.99	0.95	0.165	48.3	0.159
5.7-1R41	5.7	1.41	1.26	0.083	33.7	0.090
8.3-1R39	8.3	1.39	0.95	0.165	48.3	0.159
4.1-1R95	4.1	1.95	1.26	0.083	33.7	0.090
6.6-1R74	6.6	1.74	0.95	0.165	48.3	0.159
3.2-2R5	3.2	2.50	1.26	0.083	33.7	0.090

PHYSICAL CHARACTERISTICS:



SCHEMATIC:



TECHNICAL INFORMATION:

- Inductance measured at Pin 1-4, 100KHz 0.1V_{RMS}
- DCR measured at each winding
- Leakage measure at pin 1-4 with all other windings shorted
- Insulation Resistance: 500 VDC, 1KM Ω min.
- Hipot: 500V_{RMS}, windings to windings
- Turns ratio: 1:1:1:1:1:1 $\pm 2\%$ (See Schematic)
- I_{DC}: Max of 30% L drops from initial value (10% typical)
- Add - M for 20% inductance tolerance
- I_{RMS}: ΔT of 40°C max (with all windings parallel connected)
- Operating Temperature: -40°C to +80°C
- RoHS Compliance product

Note: All specifications subject to change without notice.

	ALST-06	ALST-08
A Max	0.508 12,90	0.642 16,30
B Typ	0.480 12,20	0.634 16,10
C Max	0.224 6,20	0.307 7,80
D Typ	0.433 11,00	0.551 14,00
E	0.079 2,00	0.098 2,50

inch/mm