

# TOROIDAL POWER INDUCTORS



## P11T0152 SERIES



- Toroidal power inductors with high current capacity
- Low radiation
- Low core loss
- Low core saturation
- Operating temperature range: -55°C to +105°C
- Add -V for Vertical Mount or -H for Horizontal Mount after the part number
- RoHS compliant product

### ELECTRICAL PARAMETERS @ 25°C

Part Number	Inductance ( $\mu\text{H}$ ) ( $\pm 15\%$ )	DCR (m $\Omega$ MAX)	Idc (A)	Irms (A)	Dimension A (mm Max)	Dimension B (mm Max)	Dimension C (mm Nom)	Dimension D (mm Nom)	Dimension E (mm Nom)
P11T0152-100-2.4	10	48.1	2.4	2.1	8.6	4.7	3.8	7.3	0.42
200-1.8	20	82.9	1.8	2.2	9.1	6.7	5.6	7.4	0.37
500-2.6	50	71.5	2.6	2.7	16.2	9.0	7.5	13.7	0.58
101-2.5	100	106.0	2.5	2.4	15.5	12.4	10.7	13.7	0.58
151-2.1	150	162.0	2.1	2.3	20.7	9.4	7.8	18.8	0.52
251-1.9	250	221.0	1.9	2.2	20.9	13.0	11.0	18.8	0.52
501-1.7	500	361.0	1.7	1.9	24.0	15.3	14.0	21.2	0.52
751-1.8	750	434.0	1.8	2.4	29.8	17.4	15.6	28.2	0.52
102-1.5	1000	638.0	1.5	2.1	29.8	17.1	15.5	28.2	0.46
100-4.7	10	18.3	4.7	4.5	12.7	7.8	6.3	11.0	0.71
200-3.2	20	39.2	3.2	3.2	12.5	7.5	6.3	11.0	0.58
500-4.9	50	32.6	4.9	4.9	21.6	13.8	11.0	19.5	0.89
101-4.4	100	53.4	4.4	4.3	24.0	16.6	13.9	21.8	0.89
151-4.3	150	71.9	4.3	4.0	30.6	11.4	9.3	28.5	0.80
251-4.2	250	83.3	4.2	4.2	31.2	19.0	15.7	28.5	0.89
501-3.1	500	183.0	3.1	3.3	36.7	14.8	12.5	34.5	0.71
751-3.4	750	208.0	3.4	3.4	43.3	18.2	15.8	41.5	0.80
100-8.7	10	10.4	8.7	11.0	22.2	13.9	11.5	19.9	1.11
200-7.8	20	26.0	7.8	9.3	24.5	16.6	14.5	22.0	0.89
500-7.6	50	24.8	7.6	9.4	32.3	18.9	16.5	28.8	1.11
101-8.2	100	26.7	8.2	7.5	37.8	16.8	13.6	35.5	1.24
151-7.7	150	40.1	7.7	7.5	46.4	19.8	16.8	43.4	1.24
251-9.2	250	40.0	9.2	8.1	53.7	24.3	20.1	49.4	1.38
100-11.4	10	8.0	11.4	13.5	25.7	18.0	16.0	22.4	1.38
200-11.4	20	11.0	11.4	14.5	32.4	19.8	16.8	29.2	1.38

Note:

1. Inductance measured: 10KHz, 0.1Vrms
2. Idc: 10% inductance drop typical from initial value at rated current
3. Irms:  $\Delta T \leq 30^\circ\text{C}$  Temp Rise at rated current

Product performance is limited to specified parameters. Data is subject to change without prior notice.

Tel: 310-325-1043  
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## P11T0152 SERIES

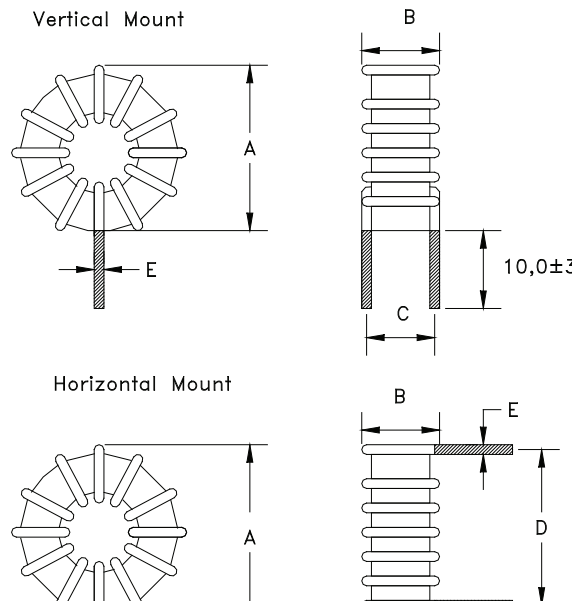
### ELECTRICAL PARAMETERS @ 25°C

Part Number	Inductance ( $\mu\text{H}$ ) ( $\pm 15\%$ )	DCR (m $\Omega$ MAX)	I <sub>dc</sub> (A)	I <sub>rms</sub> (A)	Dimension A (mm Max)	Dimension B (mm Max)	Dimension C (mm Nom)	Dimension D (mm Nom)	Dimension E (mm Nom)
500-10.5	50	16.3	10.5	10.2	39.0	16.8	13.9	35.7	1.38
101-12.0	100	16.7	12.0	9.1	48.5	21.8	17.2	43.4	1.73
151-12.8	150	20.4	12.8	10.5	54.5	255.4	21.2	50.9	1.73
100-16.9	10	5.1	16.9	20.9	34.0	21.4	17.0	29.6	1.73
200-16.0	20	7.0	16.0	16.0	40.5	18.0	14.3	35.2	1.73
500-13.9	50	12.4	13.9	12.7	47.5	21.3	17.5	42.8	1.73
101-17.6	100	10.9	17.6	13.0	57.0	27.5	21.3	50.6	2.15
100-27.3	10	3.2	27.3	29.3	50.3	24.0	18.6	43.0	2.41
200-31.5	20	3.4	31.5	29.5	59.0	28.0	23.0	50.7	2.69

Note:

1. Inductance measured: 10KHz, 0.1Vrms
2. I<sub>dc</sub>: 10% inductance drop typical from initial value at rated current
3. I<sub>rms</sub>:  $\Delta T \leq 30^\circ\text{C}$  Temp Rise at rated current

### DIMENSIONS (mm)



**Dimensions**

Unless otherwise specified, all tolerances are:

inch: .XX :  $\pm 0.008$  .XXX :  $\pm 0.004$

mm: X.X :  $\pm 0.20$  X.XX :  $\pm 0.10$

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