ADT Series

UL Recognized



ADT Series

- Designed for very high insertion loss for Delta three phase, three wire applications
- Available with common or differential mode coils

Ordering Information

100 ADT 6 S

- **Suffix**
  S – Differential mode coils
  Omit if none
- **Input / Output Style**
  6 – Threaded bolt
- **ADT Series**
- **Current Rating**
  63, 100, 160 or 200A

Available Part Numbers

63ADT6	63ADT6S
100ADT6	100ADT6S
160ADT6	160ADT6S
200ADT6	200ADT6S

Specifications

Maximum leakage current at 277 VAC 60 Hz, each Line to Ground:

ADT6:	1.3 A
63ADT6S:	2.6 A
100, 160, 200ADT6S	4.6 A

Hipot rating (one minute):

Line to Ground:	2210 VDC
Line to Line:	2158 VDC

Rated Voltage (max):

Phase to Phase:	480 VAC
Phase to Ground:	277 VAC

Operating Frequency: 50/60 Hz

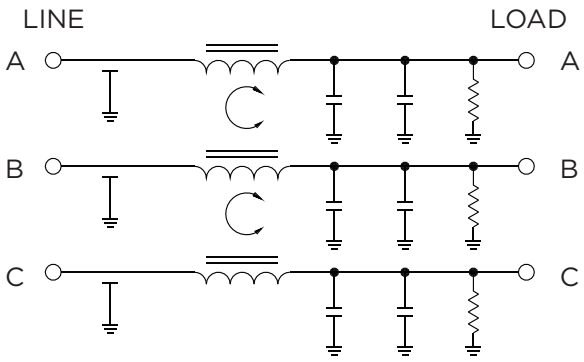
Rated Current: 63 to 200A

Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C

In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85\text{-}Ta)/45}$

Electrical Schematics

63ADT6



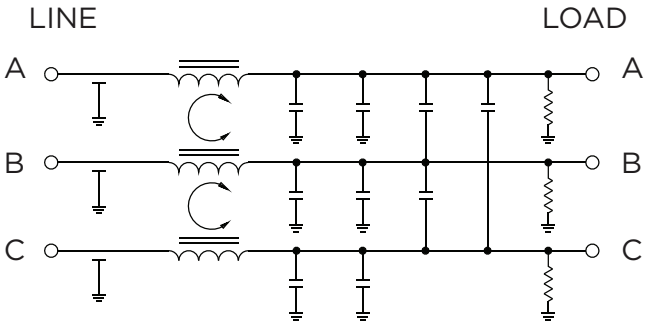
Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

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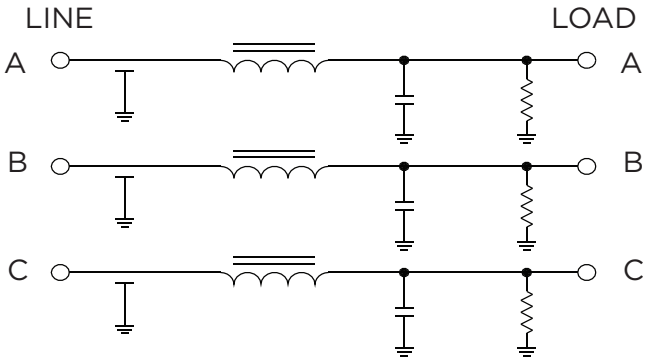
ADT Series

Electrical Schematics *(continued)*

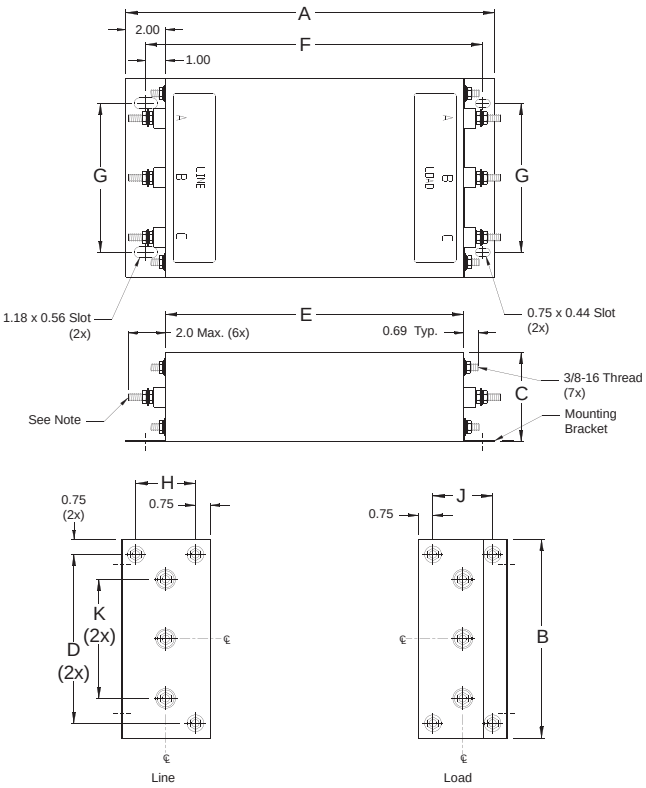
100, 160 & 200 ADT6



ADT6S



Case Style



Terminals (6) :

63ADT6, 63ADT6S, 100ADT6S: 3/8-16, Torque (max.) 70 lbf-in [*7.91* N-m]
100ADT6, 160 & 200 ADT6/S: 7/16-20, Torque (max.) 125 lbf-in [*14.12* N-m]

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .030 ± .76	E (max.)	F ± .030 ± .76	G ± .030 ± .76	H ± .030 ± .76	J ± .030 ± .76	K (max.)
63ADT6	**14.00** *355.6*	**10.00** *254.0*	**3.5** *89.0*	**8.5** *216.0*	**10.00** *254.0*	**11.97** *304.0*	**7.5** *190.35*	**1.75** *44.4*	**2.00** *50.8*	**6.00** *152.4*
63ADT6S	**19.00** *482.6*	**10.00** *254.0*	**4.5** *114.3*	**8.5** *216.0*	**15.00** *381.0*	**16.97** *431.0*	**7.5** *190.5*	**3.00** *76.2*	**3.00** *76.2*	**6.00** *152.4*
100ADT6	**19.00** *482.6*	**10.00** *254.0*	**4.5** *114.3*	**8.5** *216.0*	**15.00** *381.0*	**16.97** *431.0*	**7.5** *190.5*	**3.00** *76.2*	**3.00** *76.2*	**6.00** *152.4*
100ADT6S	**19.00** *482.6*	**11.00** *279.4*	**4.5** *114.3*	**8.5** *216.0*	**15.00** *381.0*	**16.97** *431.0*	**8.5** *215.9*	**3.00** *76.2*	**3.00** *76.2*	**6.00** *152.4*
160/200ADT6	**19.00** *482.6*	**10.00** *254.0*	**4.5** *114.3*	**8.5** *216.0*	**15.00** *381.0*	**16.97** *431.0*	**7.5** *190.5*	**3.00** *76.2*	**3.00** *76.2*	**6.00** *152.4*
160/200ADT6S	**22.00** *558.8*	**13.00** *330.2*	**4.5** *114.3*	**11.5** *292.2*	**18.00** *457.2*	**19.97** *507.2*	**10.5** *266.7*	**2.75** *69.8*	**3.00** *76.2*	**7.00** *177.8*

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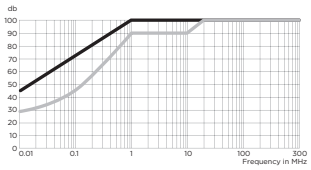
ADT Series

Performance Data

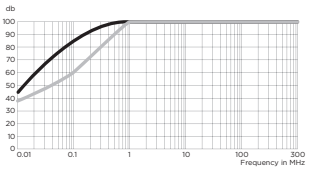
Typical Insertion Loss

Measured in closed 50 Ohm system

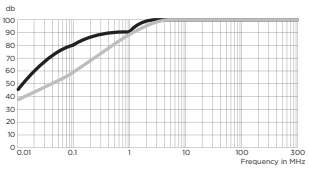
63ADT6



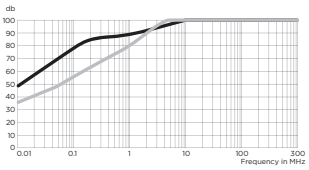
100ADT6



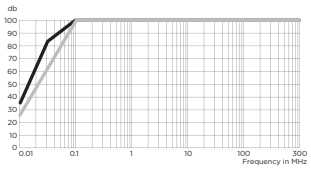
160ADT6



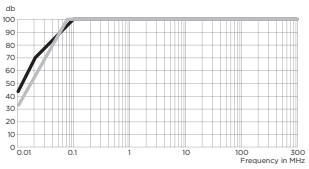
200ADT6



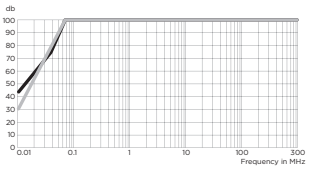
63ADT6S



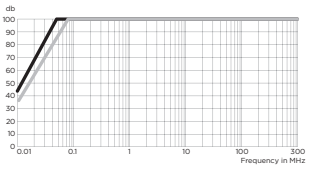
100ADT6S



160ADT6S



200ADT6S



Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

	Frequency –MHz						
Part No.	.01	.1	1	10	30	100	300
63ADT6	45	85	95	100	100	100	100
100ADT6	45	85	90	100	100	100	100
160ADT6	45	80	90	100	100	100	100
200ADT6	45	77	88	100	100	100	100
63ADT6S	28	45	90	90	90	90	90
100ADT6S	38	60	95	100	100	100	100
160ADT6S	37	58	85	100	100	100	100
200ADT6S	35	54	80	100	100	100	100

Differential Mode / Symmetrical (Line to Line)

	Frequency –MHz						
Part No.	.01	.1	1	10	30	100	300
63ADT6	35	100	100	100	100	100	100
100ADT6	43	100	100	100	100	100	100
160ADT6	44	100	100	100	100	100	100
200ADT6	43	100	100	100	100	100	100
63ADT6S	35	100	100	100	100	100	100
100ADT6S	43	100	100	100	100	100	100
160ADT6S	44	100	100	100	100	100	100
200ADT6S	43	100	100	100	100	100	100

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