TDR SERIES VERTICAL 3-PHASE 3-WIRE FILTERS

COMPONENTS

PART NO.	ΣCx(uF)	ΣCy(uF)	ΣL(mH)	R1(MΩ)	R2(MΩ)
07TDRT1W4	4	1.5	4.5	1.5	0.68
16TDRT1W4	5.9		3.0		
30TDRT1W4	6.6	2.2	2.0		
42TDRT1W4		2.3	1.5		
55TDRT1W4			1.1		

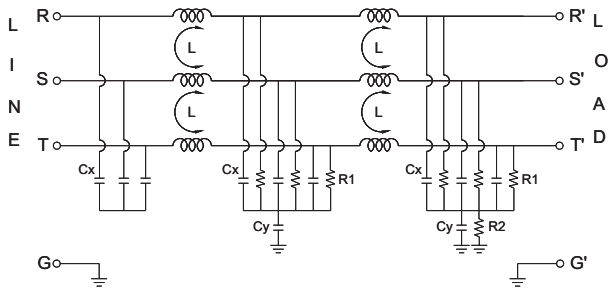
INTRODUCTIONS

1. Applications: Electric equipment, UPS, machine tool, copy machine, automation equipment, robot, AC motor drive
2. Voltage rating: 480VAC
3. Operating frequency: 50/60Hz

MINIMUM INSERTION LOSS IN dB

COMMONMODE(L-G) IN 50 OHM SYSTEM						
PART NO.	FREQUENCY-MHz					
	.15	.50	1.0	5.0	10	30
07TDRT1W4	25	60	60	60	55	35
16TDRT1W4	20	60	60	60	55	35
30TDRT1W4	20	55	55	55	50	35
42TDRT1W4	20	55	55	55	50	35
55TDRT1W4	20	55	55	55	50	35
DIFFERENTIALMODE(L-L) IN 50 OHM SYSTEM						
07TDRT1W4	35	65	65	65	60	40
16TDRT1W4	35	65	65	65	60	40
30TDRT1W4	35	65	65	65	60	40
42TDRT1W4	30	60	60	60	50	40
55TDRT1W4	30	60	60	60	50	40

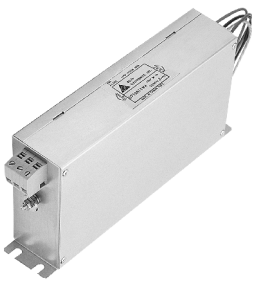
ELECTRICAL SCHEMATIC

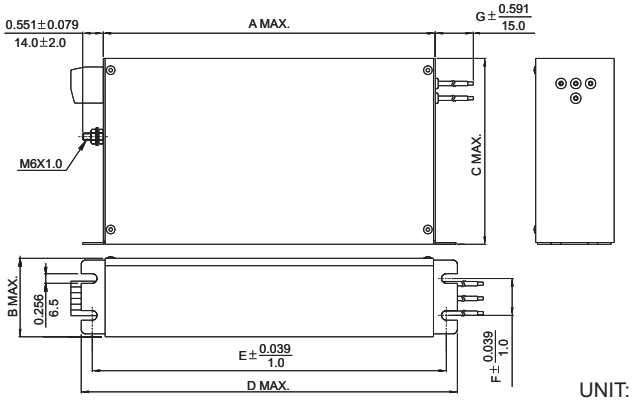


SERIES DIMENSIONS

PART NO.	DIMENSIONS IN INCHES/mm							
	A	B	C	D	E	F	G	
07TDRT1W4	8.937 / 227.0	2.047 / 52.0	5.039 / 128.0	10.118 / 257.0	9.449 / 240.0	0.984 / 25.0	11.811 / 300.0	AWG18
16TDRT1W4	10.906 / 227.0	2.244 / 57.0	5.669 / 144.0	12.087 / 307.0	11.417 / 290.0	1.181 / 30.0		AWG14
30TDRT1W4	12.087 / 307.0	2.440 / 62.0	5.984 / 152.0	13.268 / 337.0	12.598 / 320.0	1.378 / 35.0	15.748 / 400.0	AWG12
42TDRT1W4	11.890 / 302.0	2.835 / 72.0	7.362 / 187.0	13.031 / 331.0	12.362 / 314.0	1.772 / 45.0	19.685 / 500.0	AWG10
55TDRT1W4		3.228 / 82.0				2.165 / 55.0		

MECHANICAL CONSTRUCTION





UNIT: INCH / mm

TDR SERIES VERTICAL 3-PHASE 3-WIRE FILTERS

COMPONENTS

PART NO.	Cx(uF)	Cy(uF)	L(mH)	L1(uH)	R(MΩ)
10TDRT2	1.0	0.47	2.8	-	1.0
18TDRT2		0.68	2.9		
25TDRT2	2.2	1.0	1.9		
36TDRT2	1.0	0.47	0.396	7.0	
50TDRT2	2.2	1.0	0.275	5.1	

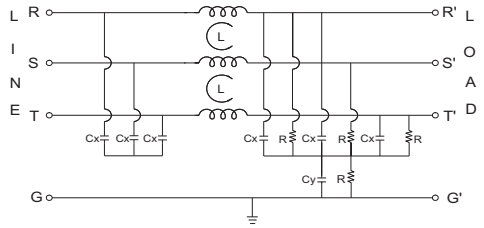
MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM									
PART NO.	FREQUENCY-MHz								
	.01	.05	.10	.15	.50	1.0	5.0	10	30
10TDRT2	5	25	40	45	55	50	40	30	30
18TDRT2	10	30	40	50	50	50	40	35	20
25TDRT2	10	30	45	55	45	45	40	30	20
36TDRT2	5	25	45	55	50	45	40	35	35
50TDRT2	5	35	55	55	50	45	40	40	30
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM									
10TDRT2	5	15	10	30	55	50	40	30	30
18TDRT2	5	12	25	35	50	50	50	40	25
25TDRT2	10	10	40	45	45	45	40	35	25
36TDRT2	5	10	20	30	50	45	40	40	40
50TDRT2	5	10	35	45	50	45	40	40	30

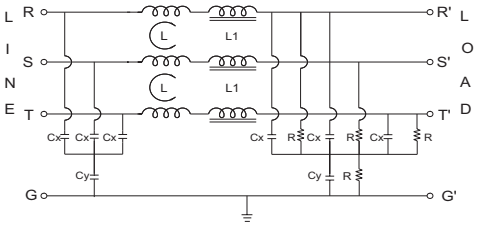
INTRODUCTIONS

1. Applications: Electric equipment, UPS, machine tool, copy machine, automation equipment, robot, AC motor drive
2. Voltage rating: 500VAC
3. Operating frequency: 50/60Hz

ELECTRICAL SCHEMATIC



10A, 18A, 25A

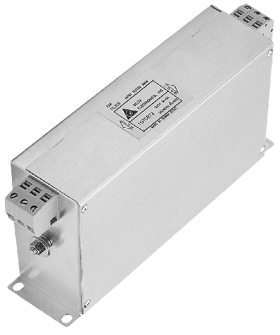


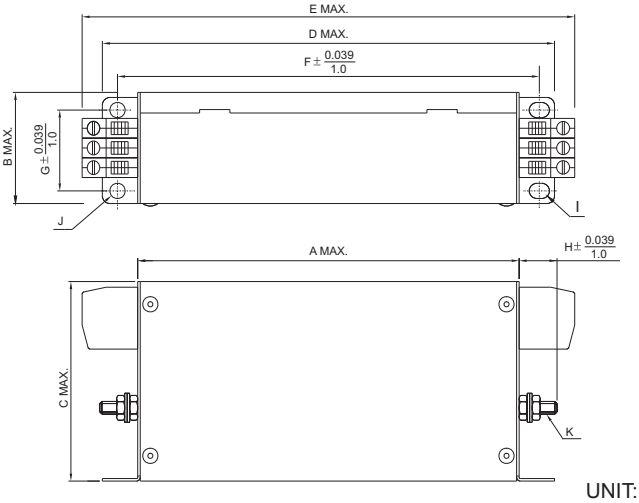
36A, 50A

SERIES DIMENSIONS

PART NO.	DIMENSIONS IN INCHES/mm										
	A	B	C	D	E	F	G	H	I	J	K
10TDRT2	6.024 153.0	1.772 45.0	3.189 81.0	7.087 180.0	7.756 197.0	6.575 167.0	1.260 32.0	0.591 15.0	0.236 x 0.315 6.0 x 8.0	0.236 Ø6.0	M5x0.8
18TDRT2	7.992 203.0	2.205 56.0	4.567 116.0	9.016 229.0	9.724 247.0	8.622 219.0	1.655 42.0				
25TDRT2											
36TDRT2	9.528 242.0	2.953 75.0	6.417 163.0	10.709 272.0	11.496 292.0	10.236 260.0	2.362 60.0	0.787 20.0	0.276 x 0.394 7.0 x 10.0	0.276 Ø7.0	M6x1.0
50TDRT2											

MECHANICAL CONSTRUCTION





UNIT: INCH / mm

THREE-PHASE FILTERS