

COMPONENTS

PART NO.	Leakage current max mA	L (mH)	L1 (mH)	Cx (uF)	Cy (nF)	R (KΩ)
• 08TDS4W4 • 24TDS4W4	6.5	4.2 1	1.5 0.5	1	15	470
PART NO.	Leakage current max mA	L (mH)	Σ Cx (uF)	Σ Cy (uF)	R1 (MΩ)	R2 (MΩ)
08TDS8	14.5	7.6	1.6	0.17	2	-
16TDS8	14.5	5.2	3.4	0.17	1.5	1.1
36TDS8	160	1.3	4.4	1.8	1.5	1.1

• UL, VDE approved

MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM							
TYPE	CURRENT RATING	FREQUENCY – MHz					
		.15	.50	1.0	5.0	10	30
08TDS4W4	8A	70	65	60	50	40	30
24TDS4W4	24A	40	65	70	70	60	35
08TDS8	8A	50	65	65	55	50	50
16TDS8	16A	45	70	65	55	50	50
36TDS8	36A	60	70	65	55	50	55
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM							
08TDS4W4	8A	35	65	70	55	50	35
24TDS4W4	24A	15	60	65	65	60	40
08TDS8	8A	50	65	60	55	50	50
16TDS8	16A	50	70	65	55	55	50
36TDS8	36A	50	70	65	55	50	45

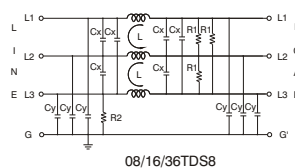
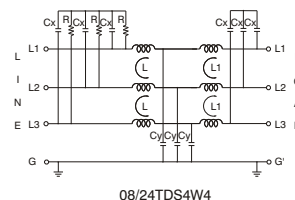
SERIES DIMENSIONS

	08TDS4W4	24TDS4W4	08TDS8	16TDS8	36TDS8
A	145	180		200	
B	135		115		
C	75	115		150	
D	55	100		136	
E	45	60		65	
F	16		18		
H			6.4		
I		85		120	
J	M4 X 0.7		M6 X 1.0		
K	15		20		
L	300				
M	6				
N	7 X 5.3				
T			0.8		
W	AWG18	AWG16			

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

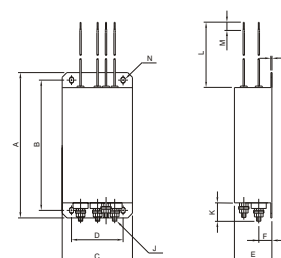
ELECTRICAL SCHEMATIC



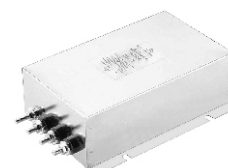
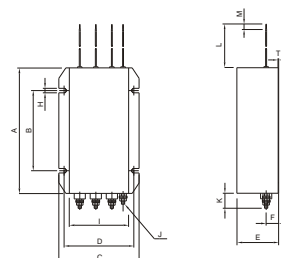
MECHANICAL CONSTRUCTION



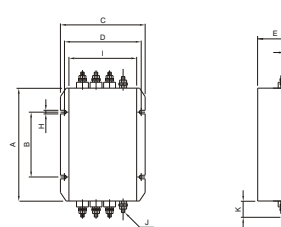
08TDS4W4



24TDS4W4



08/16/36TDS8





TDS_{SERIES}

HIGH CURRENT 3-PHASE, 3-WIRE FILTERS

COMPONENTS

PART NO.	Cx(uF)	Cy(uF)	L(uH)	R1(uH)	R2(KΩ)
200TDSS84	4.7	2.2	90	470	1.0
300TDSS84	10.0		3.0		
400TDSS84	12.2				
500TDSS84	14.7	4.7	3.0		
600TDSS84	20.0				

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
200TDSS84	5	20	30	35	50	45	25	20	10
300TDSS84	5	20	25	30	30	23	10	8	5
400TDSS84	5	20	28	30	30	20	10	5	2
500TDSS84	10	25	35	45	25	20	10	5	2
600TDSS84	5	10	25	25	25	20	10	5	2
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM									
200TDSS84	20	30	40	40	50	45	25	20	15
300TDSS84	25	35	35	35	30	25	14	10	5
400TDSS84	20	35	30	30	30	20	10	8	2
500TDSS84	15	35	40	40	30	25	10	10	5
600TDSS84	15	20	40	40	30	25	10	10	5

SERIES DIMENSIONS

PART NO.	DIMENSIONS IN INCHES/mm												
	A	B	C	D	E	F	G	H	I	J	K	L	M
200TDSS84	17.008 432.0	14.960 380.0	13.071 332.0	8.346 212.0	4.528 115.0	13.976 355.0	7.087 180.0	0.315x0.551 8.0X14.0	0.118 3.0	0.315 8.0	Ø0.472 Ø12.0	1.024 26.0	-
300TDSS84	20.669	18.800	15.827	9.528	5.591	17.717	2.362	2.765	0.256x0.315	0.118	Ø0.236	0.591	1.772
400TDSS84	525.0	477.0	402.0	242.0	142.0	450.0	60.0	70.0	6.5X8.0	3.0	Ø6.0	15.0	45.0
500TDSS84	26.772	22.520	19.764	10.709	7.165	21.457	2.953	2.953	0.295x0.374	0.236	Ø0.295	0.591	2.165
600TDSS84	680.0	572.0	502.0	272.0	182.0	545.0	75.0	75.0	7.5X9.5	6.0	Ø7.5	15.0	55.0

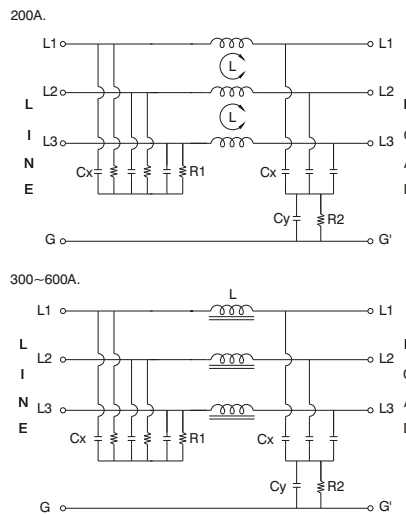
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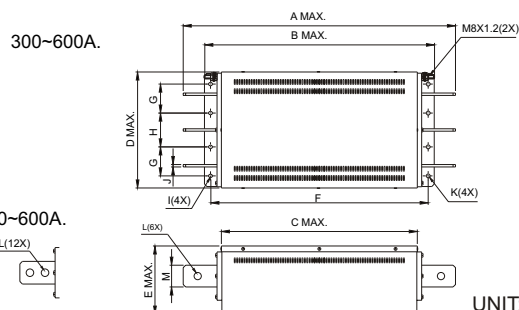
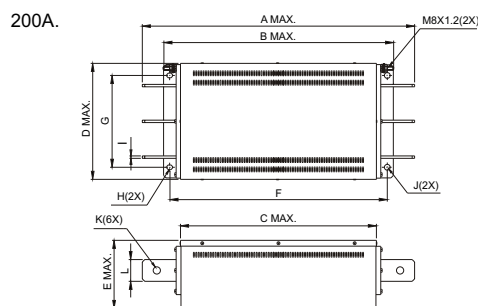
INTRODUCTIONS

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

ELECTRICAL SCHEMATIC



THREE-PHASE FILTERS



UNIT: INCH
mm