



TDS_{SERIES}

GENERAL 3-PHASE, 3-WIRE FILTERS

COMPONENTS

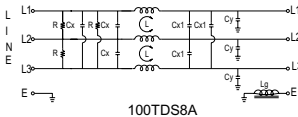
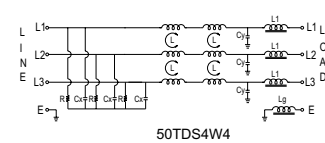
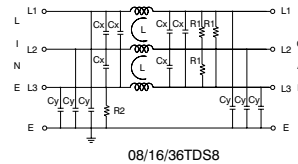
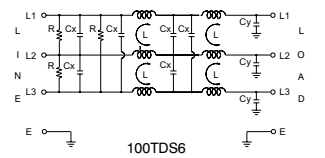
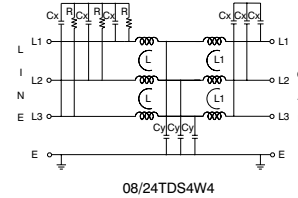
PART NO.	Leakage current max mA	L (mH)	L1 (mH)	Cx (uF)	Cy (nF)	R (KΩ)
• 08TDS4W4	6.5	4.2	1.5	1	15	470
• 24TDS4W4		1	0.5			
100TDS6	30	0.3	—	4.7	100	200
•• 50TDS4W4	50	0.5	0.2	6.6	100	100
••• 100TDS8A	200	0.3	—		470	200
PART NO.	Leakage current max mA	L (mH)	ΣCx (uF)	ΣCy (uF)	R1 (MΩ)	R2 (MΩ)
08TDS8	14.5	7.6	1.6	0.17	2	—
16TDS8		5.2	3.4		1.5	1.1
36TDS8	160	1.3	4.4	1.8	—	—

- UL, VDE & CE approved
- Lg: 500uH; UL & CE approved
- Lg: 100uH; Cx1: 2.2uF

INTRODUCTIONS

1. Applications: Electric equipment, UPS, machine tool, copy machine, automation equipment, robot, AC motor drive
2. Voltage rating: 480VAC (08/24/50 TDS4W4)
250VAC (100TDS6, 08/16/36TDS8, 100TDS8A)
3. Operating frequency: 50/60Hz

ELECTRICAL SCHEMATIC



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
100TDS6	100A	25	40	50	60	50	40
08TDS8	8A	50	65	65	55	50	50
16TDS8	16A	45	70	65	55	50	50
36TDS8	36A	60	70	65	55	50	55
50TDS4W4	5A	40	65	65	45	35	5
100TDS8A	100A	30	50	40	20	10	5
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM							
08TDS4W4	8A	35	65	70	55	50	35
24TDS4W4	24A	15	60	65	65	60	40
100TDS6	100A	40	50	50	60	50	50
08TDS8	8A	50	65	60	55	50	50
16TDS8	16A	50	70	65	55	55	50
36TDS8	36A	50	70	65	55	50	45
50TDS4W4	5A	30	40	30	25	25	5
100TDS8A	100A	35	30	25	20	10	10

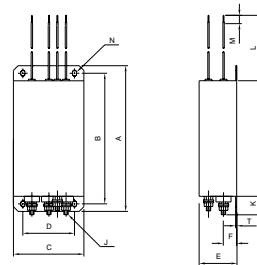
SERIES DIMENSIONS

	08TDS4W4	24TDS4W4	08TDS8	16TDS8	36TDS8	100TDS6	50TDS4W4	100TDS8A
A	145	180		200		390	322	252
B	135		115			370	92	
C	75	115		150		352	152	122
D	55	100		136		202	340	270
E	45	60		65		150	60	220
F	16		18			430	300	292
H			6.4			122	Ø7.0	Ø7.5
I		85		120		12.5 X 7.5	7.0 X 10.0	7.5 X 12.5
J	M4 X 0.7		M6 X 1.0			M8 X 1.25	M6 X 1.0	M8 X 1.25
K	15			20		75	363	330
L	300					60		
M	6							
N	7 X 5.3							
T			0.8					
W	AWG18	AWG16						

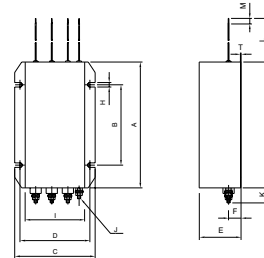
MECHANICAL CONSTRUCTION



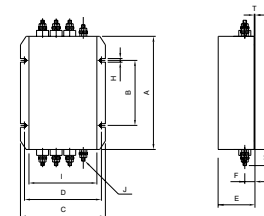
08TDS4W4



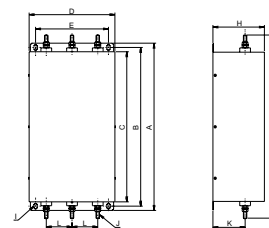
24TDS4W4



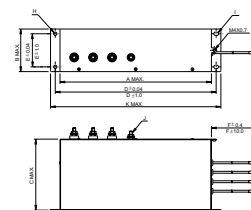
08/16/36TDS8



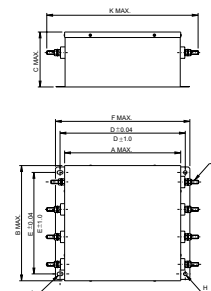
100TDS6



50TDS4W4



100TDS8A



UNIT: $\frac{\text{INCH}}{\text{mm}}$