



TDR SERIES

VERTICAL 3-PHASE 3-WIRE FILTERS

COMPONENTS

| PART NO. | $\Sigma C_x(\mu F)$ | $\Sigma C_y(\mu F)$ | $\Sigma L(mH)$ | R1(M Ω) | R2(M Ω) |
|-----------|---------------------|---------------------|----------------|-----------------|-----------------|
| 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 | | |

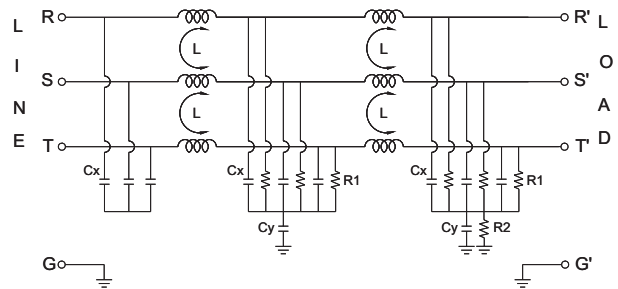
INTRODUCTIONS

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 |

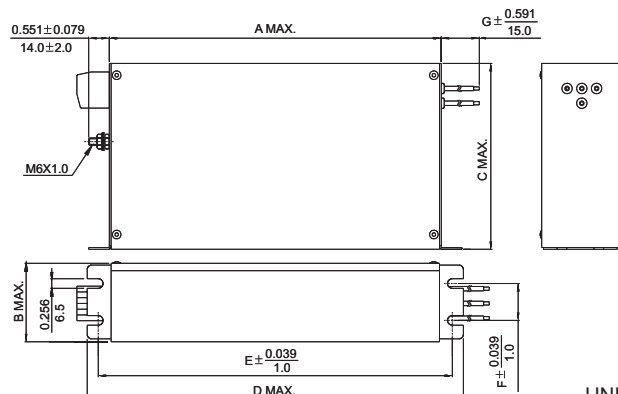
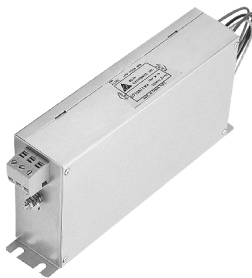
ELECTRICAL SCHEMATIC



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 | 300.0 400.0 | 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 | |

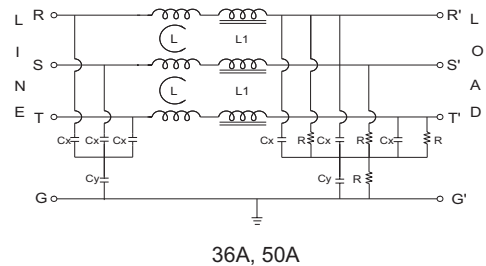
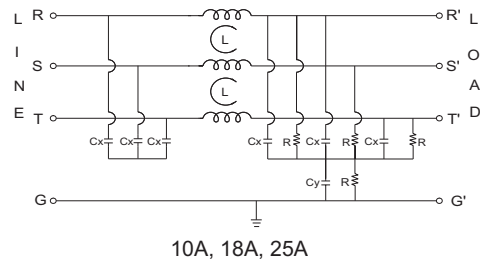
MINIMUM INSERTION LOSS IN dB

| 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

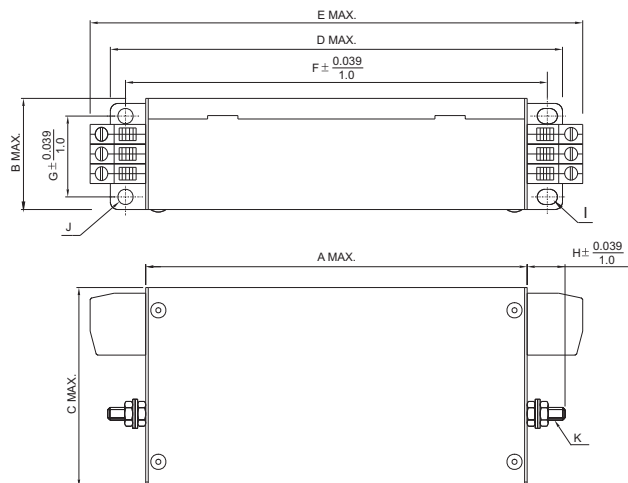
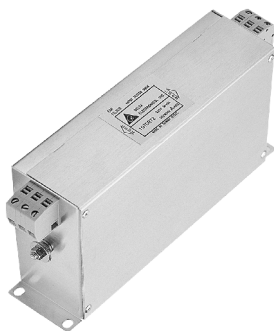
ELECTRICAL SCHEMATIC



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 | 0.236 x 0.315 6.0 x 8.0 | 0.236 Ø6.0 | M5x0.8 |
| 18TDRT2 | 7.992 | 2.205 | 4.567 | 9.016 | 9.724 | 8.622 | 1.655 | 15.0 | | | |
| 25TDRT2 | 203.0 | 56.0 | 116.0 | 229.0 | 247.0 | 219.0 | 42.0 | | | | |
| 36TDRT2 | 9.528 | 2.953 | 6.417 | 10.709 | 11.496 | 10.236 | 2.362 | 0.787 | 0.276 x 0.394 7.0 x 10.0 | 0.276 Ø7.0 | M6x1.0 |
| 50TDRT2 | 242.0 | 75.0 | 163.0 | 272.0 | 292.0 | 260.0 | 60.0 | 20.0 | | | |

MECHANICAL CONSTRUCTION



UNIT: INCH
mm