## DISSIPATION FACTOR (tanδ) at 120 Hz, 25°C

| CAP. (μF) | RATED VOLTAGE WV(SV) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6.3 (8) | 10 (13) | 16 (20) | 25 (32) | 35 (44) | 40 (50) | 50 (63) | 63 (79) | 80 (100) | 100 (125) | 160 (200) | 200 (250) | 250 (300) | 315 (365) | 350 (400) | 400 (450) | 450 (500) |
| 220 | | | | | | | | | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 330 | | | | | | | | | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 470 | | | | | | | | | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 560 | | | | | | | | | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 680 | | | | | | | | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 820 | | | | | | | | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 1000 | | | | | | | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 1200 | | | | | | | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 1500 | | | | | | | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 1800 | | | | | | | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 2200 | | | | | | | | | | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 2700 | | | | | | | | | | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 3300 | | | | | | | | | 0.15 | 0.15 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 3900 | | | | | | | | | 0.15 | 0.15 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 4700 | | | | | | | | 0.25 | 0.15 | 0.15 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 5600 | | | | | | | 0.25 | 0.25 | 0.15 | 0.15 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | |
| 6800 | | | | | | | 0.25 | 0.25 | 0.15 | 0.15 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | | |
| 8200 | | | | | | 0.30 | 0.25 | 0.25 | 0.15 | 0.15 | 0.25 | 0.25 | 0.25 | 0.25 | | | |
| 10000 | | | | | 0.30 | 0.30 | 0.25 | 0.25 | 0.25 | 0.20 | 0.25 | 0.25 | | | | | |
| 12000 | | | | | 0.30 | 0.30 | 0.25 | 0.25 | 0.25 | 0.20 | 0.25 | 0.25 | | | | | |
| 15000 | | | | 0.35 | 0.30 | 0.30 | 0.25 | 0.25 | 0.25 | 0.20 | 0.25 | 0.25 | | | | | |
| 18000 | | | | 0.35 | 0.30 | 0.30 | 0.25 | 0.25 | 0.25 | 0.20 | 0.25 | | | | | | |
| 22000 | | | 0.40 | 0.35 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.25 | 0.25 | | | | | | |
| 27000 | | 0.45 | 0.40 | 0.35 | 0.30 | 0.35 | 0.35 | 0.30 | 0.30 | 0.25 | | | | | | | |
| 33000 | 0.70 | 0.45 | 0.40 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.30 | 0.25 | | | | | | | |
| 39000 | 0.70 | 0.45 | 0.40 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.30 | 0.30 | | | | | | | |
| 47000 | 0.70 | 0.45 | 0.40 | 0.40 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | | | | | | | |
| 56000 | 0.70 | 0.45 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | | | | | | | | |
| 68000 | 0.70 | 0.50 | 0.50 | 0.50 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | | | | | | | | |
| 82000 | 0.70 | 0.60 | 0.50 | 0.50 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | | | | | | | | |
| 100000 | 1.00 | 0.70 | 0.60 | 0.55 | 0.50 | 0.50 | 0.50 | 0.55 | 0.55 | | | | | | | | |
| 120000 | 1.00 | 0.70 | 0.75 | 0.60 | 0.55 | 0.55 | 0.55 | 0.60 | | | | | | | | | |
| 150000 | 1.00 | 0.80 | 0.75 | 0.65 | 0.60 | 0.60 | 0.60 | | | | | | | | | | |
| 180000 | 1.00 | 0.80 | 0.75 | 0.65 | 0.60 | 0.60 | 0.60 | | | | | | | | | | |
| 220000 | 1.10 | 0.90 | 0.85 | 0.75 | 0.70 | 0.70 | | | | | | | | | | | |
| 270000 | 1.10 | 0.90 | 0.85 | 0.75 | 0.70 | | | | | | | | | | | | |
| 330000 | 1.20 | 1.00 | 0.95 | 0.85 | | | | | | | | | | | | | |
| 390000 | 1.20 | 1.00 | 0.95 | 0.85 | | | | | | | | | | | | | |
| 470000 | 1.30 | 1.10 | 10.5 | | | | | | | | | | | | | | |
| 560000 | 1.40 | | | | | | | | | | | | | | | | |