

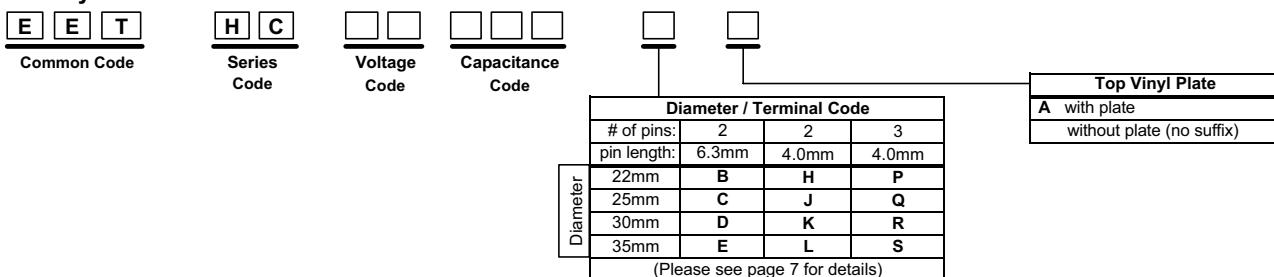
TS-HC Series snap-in style

- Highly miniaturized version (30% smaller than HB series)
- 2 and 3 pin versions available
- 2000 hour life at 105°C
- Can vent construction



| | | | | | | | | | |
|--|---|------|---------------|---------|------|------|------|---|----------------------------|
| Rated Working Voltage: | 10 ~ 250 VDC | | 350 ~ 450 VDC | | | | | | |
| Operating Temperature: | -40 ~ +105°C | | -25 ~ +105°C | | | | | | |
| Nominal Capacitance: | 270~100000 μF | | 100 ~ 820μF | | | | | | |
| Capacitance Tolerance: | ± 20% | | | | | | | | |
| Dissipation Factor: (120 Hz, +20°C) | Working Voltage [V]: | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 - 450 |
| | Max. D.F. (%): | 55 | 45 | 35 | 30 | 25 | 20 | 17 | 15 |
| | For capacitance values > 33000μF, add the value of: $\frac{(\text{rated cap. } [\mu\text{F}] - 33000)}{1000}$ | | | | | | | | |
| Leakage Current: | 3vCV (μA) max. after 5 minutes; C = Capacitance in μF, V = WV | | | | | | | | |
| Ripple Current Multipliers: | Frequency(Hz): | 50 | 60 | 100~120 | 500 | 1k | 10k~ | Ripple Current Ambient Temperature Factors* | |
| | 10~100WV: | 0.93 | 0.95 | 1.0 | 1.05 | 1.08 | 1.15 | Ambient Temperature: | 105°C 85°C 70°C 60°C =45°C |
| | 160~500WV: | 0.75 | 0.8 | 1.0 | 1.2 | 1.25 | 1.4 | Multiplier: | 1.0 1.7 2.0 2.2 2.35 |
| Endurance: | 2000 hours at +105°C with maximum specified ripple current (see page 4) | | | | | | | | |

*Use of temperature ripple current multipliers may limit life to the hours specified for the maximum operating temperature.

Part Number System**TS-HC Standard Ratings** (part numbers shown with 2 pins, 6.3mm length terminal, and top vinyl plate)

| Cap. (μF) | Size (mm) D x L | Max 105°C R.C. (A _{rms}) | | 20°C ESR (Ω, max.) | | Panasonic Part Number |
|---|--------------------|------------------------------------|--------|--------------------|-------|--------------------------|
| | | 120Hz | 10kHz~ | 120Hz | 20kHz | |
| 10 VDC Working, 13 VDC Surge | | | | | | |
| 12000 | 22 x 25 | 2.20 | 2.53 | 0.076 | 0.065 | EETHC1A123BA |
| 18000 | 22 x 30 | 2.40 | 2.76 | 0.051 | 0.043 | EETHC1A183BA |
| | 25 x 25 | 2.40 | 2.76 | 0.051 | 0.043 | EETHC1A183CA |
| 22000 | 22 x 35 | 2.60 | 2.99 | 0.041 | 0.035 | EETHC1A223BA |
| | 25 x 30 | 2.60 | 2.99 | 0.041 | 0.035 | EETHC1A223CA |
| 27000 | 22 x 40 | 3.10 | 3.57 | 0.034 | 0.029 | EETHC1A273BA |
| | 25 x 35 | 3.10 | 3.57 | 0.034 | 0.029 | EETHC1A273CA |
| | 30 x 25 | 3.10 | 3.57 | 0.034 | 0.029 | EETHC1A273DA |
| 33000 | 22 x 45 | 3.40 | 3.91 | 0.028 | 0.023 | EETHC1A333BA |
| | 25 x 40 | 3.40 | 3.91 | 0.028 | 0.023 | EETHC1A333CA |
| 39000 | 25 x 45 | 3.70 | 4.26 | 0.026 | 0.022 | EETHC1A393CA |
| | 30 x 30 | 3.70 | 4.26 | 0.026 | 0.023 | EETHC1A393DA |
| | 35 x 25 | 3.70 | 4.26 | 0.026 | 0.022 | EETHC1A393EA |
| 47000 | 25 x 50 | 4.20 | 4.83 | 0.024 | 0.021 | EETHC1A473CA |
| | 30 x 35 | 4.20 | 4.83 | 0.024 | 0.022 | EETHC1A473DA |
| | 35 x 30 | 4.20 | 4.83 | 0.024 | 0.021 | EETHC1A473EA |
| 56000 | 30 x 40 | 5.00 | 5.75 | 0.023 | 0.021 | EETHC1A563DA |
| | 35 x 35 | 5.00 | 5.75 | 0.023 | 0.020 | EETHC1A563EA |
| 68000 | 30 x 45 | 5.40 | 6.21 | 0.022 | 0.020 | EETHC1A683DA |
| | 35 x 40 | 5.40 | 6.21 | 0.022 | 0.019 | EETHC1A683EA |
| 82000 | 35 x 45 | 6.10 | 7.02 | 0.021 | 0.019 | EETHC1A823EA |
| 100000 | 35 x 50 | 6.90 | 7.94 | 0.020 | 0.019 | EETHC1A104EA |
| 16 VDC Working, 20 VDC Surge (continued) | | | | | | |
| 18000 | 22 x 40 | 3.50 | 4.03 | 0.041 | 0.035 | EETHC1C183BA |
| | 25 x 30 | 3.50 | 4.03 | 0.041 | 0.035 | EETHC1C183CA |
| 22000 | 22 x 45 | 3.80 | 4.37 | 0.034 | 0.029 | EETHC1C223BA |
| | 25 x 35 | 3.80 | 4.37 | 0.034 | 0.029 | EETHC1C223CA |
| | 30 x 25 | 3.80 | 4.37 | 0.034 | 0.029 | EETHC1C223DA |
| 27000 | 22 x 50 | 4.20 | 4.83 | 0.028 | 0.023 | EETHC1C273BA |
| | 25 x 40 | 4.20 | 4.83 | 0.028 | 0.023 | EETHC1C273CA |
| | 30 x 30 | 4.20 | 4.83 | 0.028 | 0.023 | EETHC1C273DA |
| | 35 x 25 | 4.20 | 4.83 | 0.028 | 0.023 | EETHC1C273EA |
| 33000 | 25 x 45 | 4.70 | 5.41 | 0.023 | 0.019 | EETHC1C333CA |
| | 30 x 35 | 4.70 | 5.41 | 0.023 | 0.019 | EETHC1C333DA |
| | 35 x 30 | 4.70 | 5.41 | 0.023 | 0.020 | EETHC1C333EA |
| 39000 | 30 x 40 | 5.10 | 5.87 | 0.022 | 0.018 | EETHC1C393DA |
| | 35 x 35 | 5.10 | 5.87 | 0.022 | 0.020 | EETHC1C393EA |
| 47000 | 30 x 45 | 5.50 | 6.33 | 0.016 | 0.014 | EETHC1C473DA |
| | 35 x 40 | 5.50 | 6.33 | 0.021 | 0.019 | EETHC1C473EA |
| 56000 | 30 x 50 | 6.00 | 6.90 | 0.020 | 0.018 | EETHC1C563DA |
| | 35 x 45 | 6.00 | 6.90 | 0.020 | 0.018 | EETHC1C563EA |
| 25 VDC Working, 32 VDC Surge | | | | | | |
| 6800 | 22 x 25 | 2.40 | 2.76 | 0.085 | 0.064 | EETHC1E682BA |
| 8200 | 22 x 30 | 2.70 | 3.11 | 0.071 | 0.053 | EETHC1E822BA |
| | 25 x 25 | 2.70 | 3.11 | 0.071 | 0.053 | EETHC1E822CA |
| 10000 | 22 x 35 | 3.00 | 3.45 | 0.058 | 0.044 | EETHC1E103BA |
| 12000 | 22 x 40 | 3.20 | 3.68 | 0.048 | 0.036 | EETHC1E123BA |
| | 25 x 30 | 3.20 | 3.68 | 0.048 | 0.036 | EETHC1E123CA |
| 15000 | 22 x 45 | 3.60 | 4.14 | 0.039 | 0.029 | EETHC1E153BA |
| | 25 x 35 | 3.60 | 4.14 | 0.039 | 0.029 | EETHC1E153CA |

TS-HC Standard Ratings (continued)

| Cap. (μ F) | Size (mm) D x L | Max 105°C R.C. (A_{rms}) | | 20°C ESR (Ω , max.) | | Panasonic Part Number |
|--------------------|--------------------|------------------------------|--------|-----------------------------|-------|--------------------------|
| | | 120Hz | 10kHz~ | 120Hz | 20kHz | |

25 VDC Working, 32 VDC Surge (continued)

| | | | | | | |
|-------|---------|------|------|-------|-------|--------------|
| 15000 | 30 x 25 | 3.60 | 4.14 | 0.039 | 0.029 | EETHC1E153DA |
| 18000 | 22 x 50 | 3.90 | 4.49 | 0.032 | 0.024 | EETHC1E183BA |
| | 25 x 40 | 3.90 | 4.49 | 0.032 | 0.024 | EETHC1E183CA |
| | 30 x 30 | 3.90 | 4.49 | 0.032 | 0.024 | EETHC1E183DA |
| | 35 x 25 | 3.90 | 4.49 | 0.032 | 0.024 | EETHC1E183EA |
| 22000 | 25 x 45 | 4.30 | 4.95 | 0.026 | 0.020 | EETHC1E223CA |
| | 30 x 35 | 4.30 | 4.95 | 0.026 | 0.020 | EETHC1E223DA |
| | 35 x 30 | 4.30 | 4.95 | 0.026 | 0.020 | EETHC1E223EA |
| 27000 | 30 x 40 | 4.80 | 5.52 | 0.021 | 0.016 | EETHC1E273DA |
| | 35 x 35 | 4.80 | 5.52 | 0.021 | 0.016 | EETHC1E273EA |
| 33000 | 30 x 45 | 5.50 | 6.33 | 0.018 | 0.013 | EETHC1E333DA |
| | 35 x 40 | 5.50 | 6.33 | 0.018 | 0.014 | EETHC1E333EA |
| 39000 | 30 x 50 | 5.80 | 6.67 | 0.017 | 0.013 | EETHC1E393DA |
| | 35 x 45 | 5.80 | 6.67 | 0.017 | 0.014 | EETHC1E393EA |
| 47000 | 35 x 50 | 6.30 | 7.25 | 0.017 | 0.014 | EETHC1E473EA |

35 VDC Working, 44 VDC Surge

| | | | | | | |
|-------|---------|------|------|-------|-------|--------------|
| 4700 | 22 x 25 | 2.20 | 2.53 | 0.106 | 0.079 | EETHC1V472BA |
| 5600 | 22 x 30 | 2.40 | 2.76 | 0.089 | 0.067 | EETHC1V562BA |
| | 25 x 25 | 2.40 | 2.76 | 0.089 | 0.067 | EETHC1V562CA |
| 6800 | 22 x 35 | 2.60 | 2.99 | 0.073 | 0.055 | EETHC1V682BA |
| 8200 | 22 x 40 | 2.90 | 3.34 | 0.061 | 0.045 | EETHC1V822BA |
| | 25 x 30 | 2.90 | 3.34 | 0.061 | 0.045 | EETHC1V822CA |
| 10000 | 22 x 45 | 3.20 | 3.68 | 0.050 | 0.037 | EETHC1V103BA |
| | 25 x 35 | 3.20 | 3.68 | 0.050 | 0.037 | EETHC1V103CA |
| | 30 x 25 | 3.20 | 3.68 | 0.050 | 0.037 | EETHC1V103DA |
| 12000 | 25 x 40 | 3.50 | 4.03 | 0.041 | 0.031 | EETHC1V123CA |
| | 30 x 30 | 3.50 | 4.03 | 0.041 | 0.031 | EETHC1V123DA |
| | 35 x 25 | 3.50 | 4.03 | 0.041 | 0.031 | EETHC1V123EA |
| 15000 | 25 x 45 | 3.90 | 4.49 | 0.033 | 0.025 | EETHC1V153CA |
| | 30 x 35 | 3.90 | 4.49 | 0.033 | 0.025 | EETHC1V153DA |
| | 35 x 30 | 3.90 | 4.49 | 0.033 | 0.025 | EETHC1V153EA |
| 18000 | 30 x 40 | 4.30 | 4.95 | 0.028 | 0.021 | EETHC1V183DA |
| | 35 x 35 | 4.30 | 4.95 | 0.028 | 0.021 | EETHC1V183EA |
| 22000 | 30 x 45 | 5.00 | 5.75 | 0.023 | 0.017 | EETHC1V223DA |
| | 35 x 40 | 5.00 | 5.75 | 0.023 | 0.017 | EETHC1V223EA |
| 27000 | 30 x 50 | 5.30 | 6.10 | 0.018 | 0.014 | EETHC1V273DA |
| | 35 x 45 | 5.30 | 6.10 | 0.018 | 0.014 | EETHC1V273EA |
| 33000 | 35 x 50 | 5.90 | 6.79 | 0.015 | 0.012 | EETHC1V333EA |

50 VDC Working, 63 VDC Surge

| | | | | | | |
|-------|---------|------|------|-------|-------|--------------|
| 2700 | 22 x 25 | 1.80 | 2.07 | 0.154 | 0.115 | EETHC1H272BA |
| 3300 | 22 x 30 | 2.00 | 2.30 | 0.126 | 0.094 | EETHC1H332BA |
| 3900 | 22 x 35 | 2.20 | 2.53 | 0.106 | 0.080 | EETHC1H392BA |
| | 25 x 25 | 2.20 | 2.53 | 0.106 | 0.080 | EETHC1H392CA |
| 4700 | 22 x 40 | 2.50 | 2.88 | 0.088 | 0.066 | EETHC1H472BA |
| | 25 x 30 | 2.50 | 2.88 | 0.088 | 0.066 | EETHC1H472CA |
| 5600 | 22 x 45 | 2.80 | 3.22 | 0.074 | 0.056 | EETHC1H562BA |
| | 25 x 35 | 2.80 | 3.22 | 0.074 | 0.056 | EETHC1H562CA |
| | 30 x 25 | 2.80 | 3.22 | 0.074 | 0.056 | EETHC1H562DA |
| 6800 | 22 x 50 | 3.30 | 3.80 | 0.061 | 0.046 | EETHC1H682BA |
| | 25 x 40 | 3.30 | 3.80 | 0.061 | 0.046 | EETHC1H682CA |
| | 30 x 30 | 3.30 | 3.80 | 0.061 | 0.046 | EETHC1H682DA |
| | 35 x 25 | 3.30 | 3.80 | 0.061 | 0.046 | EETHC1H682EA |
| 8200 | 25 x 45 | 3.60 | 4.14 | 0.051 | 0.038 | EETHC1H822CA |
| | 30 x 35 | 3.60 | 4.14 | 0.051 | 0.038 | EETHC1H822DA |
| 10000 | 25 x 50 | 4.00 | 4.60 | 0.041 | 0.031 | EETHC1H103CA |
| | 30 x 40 | 4.00 | 4.60 | 0.041 | 0.031 | EETHC1H103DA |
| | 35 x 30 | 4.00 | 4.60 | 0.041 | 0.031 | EETHC1H103EA |
| 12000 | 30 x 45 | 4.50 | 5.18 | 0.035 | 0.026 | EETHC1H123DA |
| | 35 x 35 | 4.50 | 5.18 | 0.035 | 0.028 | EETHC1H123EA |
| 15000 | 30 x 50 | 4.80 | 5.52 | 0.028 | 0.021 | EETHC1H153DA |
| | 35 x 40 | 4.80 | 5.52 | 0.028 | 0.022 | EETHC1H153EA |
| 18000 | 35 x 45 | 5.60 | 6.44 | 0.023 | 0.018 | EETHC1H183EA |

63 VDC Working, 79 VDC Surge

| | | | | | | |
|------|---------|------|------|-------|-------|--------------|
| 2200 | 22 x 25 | 2.00 | 2.30 | 0.151 | 0.113 | EETHC1J222BA |
| 2700 | 22 x 30 | 2.20 | 2.53 | 0.123 | 0.092 | EETHC1J272BA |
| | 25 x 25 | 2.20 | 2.53 | 0.123 | 0.092 | EETHC1J272CA |
| 3300 | 22 x 35 | 2.50 | 2.88 | 0.100 | 0.075 | EETHC1J332BA |
| 3900 | 22 x 40 | 2.70 | 3.11 | 0.085 | 0.064 | EETHC1J392BA |
| | 25 x 30 | 2.70 | 3.11 | 0.085 | 0.064 | EETHC1J392CA |
| | 30 x 25 | 2.70 | 3.11 | 0.085 | 0.064 | EETHC1J392DA |
| 4700 | 22 x 45 | 3.00 | 3.45 | 0.071 | 0.053 | EETHC1J472BA |

| Cap. (μ F) | Size (mm) D x L | Max 105°C R.C. (A_{rms}) | | 20°C ESR (Ω , max.) | | Panasonic Part Number |
|--------------------|--------------------|------------------------------|--------|-----------------------------|-------|--------------------------|
| | | 120Hz | 10kHz~ | 120Hz | 20kHz | |

63 VDC Working, 79 VDC Surge (continued)

| | | | | | | |
|-------|---------|------|------|-------|-------|--------------|
| 4700 | 25 x 35 | 3.00 | 3.45 | 0.071 | 0.053 | EETHC1J472CA |
| 5600 | 22 x 50 | 3.30 | 3.80 | 0.059 | 0.044 | EETHC1J562BA |
| | 25 x 40 | 3.30 | 3.80 | 0.059 | 0.044 | EETHC1J562CA |
| | 30 x 30 | 3.30 | 3.80 | 0.059 | 0.044 | EETHC1J562DA |
| | 35 x 25 | 3.30 | 3.80 | 0.059 | 0.044 | EETHC1J562EA |
| 6800 | 25 x 45 | 3.60 | 4.14 | 0.049 | 0.037 | EETHC1J682CA |
| | 30 x 35 | 3.60 | 4.14 | 0.049 | 0.037 | EETHC1J682DA |
| | 35 x 30 | 3.60 | 4.14 | 0.049 | 0.037 | EETHC1J682EA |
| 8200 | 30 x 40 | 3.90 | 4.49 | 0.040 | 0.030 | EETHC1J822DA |
| | 35 x 35 | 3.90 | 4.49 | 0.040 | 0.030 | EETHC1J822EA |
| 10000 | 30 x 45 | 4.40 | 5.06 | 0.033 | 0.025 | EETHC1J103DA |
| | 35 x 40 | 4.40 | 5.06 | 0.033 | 0.025 | EETHC1J103EA |
| 12000 | 30 x 50 | 4.80 | 5.52 | 0.028 | 0.021 | EETHC1J123DA |
| | 35 x 45 | 4.80 | 5.52 | 0.028 | 0.022 | EETHC1J123EA |
| 15000 | 35 x 50 | 5.40 | 6.21 | 0.022 | 0.018 | EETHC1J153EA |

80 VDC Working, 100 VDC Surge

| | | | | | | |
|------|---------|------|------|-------|-------|--------------|
| 1200 | 22 x 25 | 1.50 | 1.73 | 0.235 | 0.176 | EETHC1K122BA |
| 1500 | 22 x 30 | 1.70 | 1.96 | 0.188 | 0.141 | EETHC1K152BA |
| | 25 x 25 | 1.70 | 1.96 | 0.188 | 0.141 | EETHC1K152CA |
| 1800 | 22 x 35 | 1.80 | 2.07 | 0.157 | 0.117 | EETHC1K182BA |
| 2200 | 22 x 40 | 2.10 | 2.42 | 0.128 | 0.096 | EETHC1K222BA |
| | 25 x 30 | 2.10 | 2.42 | 0.128 | 0.096 | EETHC1K222CA |
| 2700 | 22 x 45 | 2.40 | 2.76 | 0.104 | 0.078 | EETHC1K272BA |
| | 25 x 35 | 2.40 | 2.76 | 0.104 | 0.078 | EETHC1K272CA |
| | 30 x 25 | 2.40 | 2.76 | 0.104 | 0.078 | EETHC1K272DA |
| 3300 | 22 x 50 | 2.60 | 2.99 | 0.085 | 0.064 | EETHC1K332BA |
| | 25 x 40 | 2.60 | 2.99 | 0.085 | 0.064 | EETHC1K332CA |
| | 30 x 30 | 2.60 | 2.99 | 0.085 | 0.064 | EETHC1K332DA |
| | 35 x 25 | 2.60 | 2.99 | 0.085 | 0.064 | EETHC1K332EA |
| 3900 | 25 x 45 | 3.00 | 3.45 | 0.072 | 0.054 | EETHC1K392CA |
| | 30 x 35 | 3.00 | 3.45 | 0.072 | 0.054 | EETHC1K392DA |
| 4700 | 25 x 50 | 3.30 | 3.80 | 0.060 | 0.045 | EETHC1K472CA |
| | 30 x 40 | 3.30 | 3.80 | 0.060 | 0.045 | EETHC1K472DA |
| | 35 x 30 | 3.30 | 3.80 | 0.060 | 0.045 | EETHC1K472EA |
| 5600 | 30 x 45 | 3.70 | 4.26 | 0.050 | 0.038 | EETHC1K562DA |
| | 35 x 35 | 3.70 | 4.26 | 0.050 | 0.038 | EETHC1K562EA |
| 6800 | 30 x 50 | 3.90 | 4.49 | 0.041 | 0.031 | EETHC1K682DA |
| | 35 x 40 | 3.90 | 4.49 | 0.041 | 0.032 | EETHC1K682EA |
| 8200 | 35 x 45 | 4.50 | 5.18 | 0.034 | 0.027 | EETHC1K822EA |

100 VDC Working, 125 VDC Surge

| | | | | | | |
|------|---------|------|------|-------|-------|--------------|
| 820 | 22 x 25 | 1.40 | 1.61 | 0.303 | 0.197 | EETHC2A821BA |
| 1200 | 22 x 30 | 1.80 | 2.07 | 0.207 | 0.135 | EETHC2A122BA |
| | 25 x 25 | 1.80 | 2.07 | 0.207 | | |

TS-HC Standard Ratings (continued)

| Cap. (μ F) | Size (mm) D x L | Max 105°C R.C. (A_{rms}) | | 20°C ESR (Ω , max.) | | Panasonic Part Number |
|--------------------|--------------------|------------------------------|--------|-----------------------------|-------|--------------------------|
| | | 120Hz | 10kHz~ | 120Hz | 20kHz | |

160 VDC Working, 200 VDC Surge (continued)

| | | | | | | |
|------|---------|------|------|-------|-------|--------------|
| 1000 | 25 x 35 | 2.20 | 3.08 | 0.199 | 0.090 | EETHC2C102CA |
| | 30 x 25 | 2.20 | 3.08 | 0.216 | 0.108 | EETHC2C102DA |
| 1200 | 22 x 45 | 2.30 | 3.22 | 0.166 | 0.075 | EETHC2C122BA |
| | 25 x 40 | 2.30 | 3.22 | 0.166 | 0.075 | EETHC2C122CA |
| | 30 x 30 | 2.30 | 3.22 | 0.166 | 0.075 | EETHC2C122DA |
| | 35 x 25 | 2.30 | 3.22 | 0.180 | 0.090 | EETHC2C122EA |
| 1500 | 25 x 45 | 2.50 | 3.50 | 0.133 | 0.060 | EETHC2C152CA |
| | 30 x 35 | 2.50 | 3.50 | 0.133 | 0.060 | EETHC2C152DA |
| | 35 x 30 | 2.50 | 3.50 | 0.155 | 0.077 | EETHC2C152EA |
| 1800 | 25 x 50 | 2.70 | 3.78 | 0.111 | 0.050 | EETHC2C182CA |
| | 30 x 40 | 2.70 | 3.78 | 0.111 | 0.050 | EETHC2C182DA |
| | 35 x 30 | 2.70 | 3.78 | 0.120 | 0.060 | EETHC2C182EA |
| 2200 | 30 x 45 | 2.90 | 4.06 | 0.090 | 0.041 | EETHC2C222DA |
| | 35 x 35 | 2.90 | 4.06 | 0.098 | 0.049 | EETHC2C222EA |
| 2700 | 30 x 50 | 3.10 | 4.34 | 0.080 | 0.040 | EETHC2C272DA |
| | 35 x 40 | 3.10 | 4.34 | 0.086 | 0.043 | EETHC2C272EA |
| 3300 | 35 x 50 | 3.30 | 4.62 | 0.070 | 0.042 | EETHC2C332EA |

200 VDC Working, 250 VDC Surge

| | | | | | | |
|------|---------|------|------|-------|-------|--------------|
| 390 | 22 x 25 | 1.31 | 1.83 | 0.510 | 0.230 | EETHC2D391BA |
| 470 | 22 x 30 | 1.45 | 2.03 | 0.423 | 0.190 | EETHC2D471BA |
| 560 | 22 x 30 | 1.67 | 2.34 | 0.355 | 0.160 | EETHC2D561BA |
| 680 | 22 x 40 | 1.75 | 2.45 | 0.293 | 0.132 | EETHC2D681BA |
| | 25 x 30 | 1.75 | 2.45 | 0.293 | 0.132 | EETHC2D681CA |
| 820 | 22 x 45 | 2.04 | 2.86 | 0.243 | 0.109 | EETHC2D821BA |
| | 25 x 35 | 2.04 | 2.86 | 0.243 | 0.109 | EETHC2D821CA |
| | 30 x 25 | 2.04 | 2.86 | 0.243 | 0.109 | EETHC2D821DA |
| 1000 | 22 x 50 | 2.30 | 3.22 | 0.199 | 0.090 | EETHC2D102BA |
| | 25 x 45 | 2.30 | 3.22 | 0.199 | 0.090 | EETHC2D102CA |
| | 30 x 30 | 2.30 | 3.22 | 0.199 | 0.090 | EETHC2D102DA |
| | 35 x 25 | 2.30 | 3.22 | 0.216 | 0.097 | EETHC2D102EA |
| 1200 | 25 x 50 | 2.65 | 3.71 | 0.166 | 0.075 | EETHC2D122CA |
| | 30 x 35 | 2.65 | 3.71 | 0.166 | 0.075 | EETHC2D122DA |
| | 35 x 30 | 2.65 | 3.71 | 0.180 | 0.090 | EETHC2D122EA |
| 1500 | 30 x 40 | 2.80 | 3.92 | 0.133 | 0.060 | EETHC2D152DA |
| | 35 x 30 | 2.80 | 3.92 | 0.144 | 0.072 | EETHC2D152EA |
| 1800 | 30 x 45 | 3.08 | 4.31 | 0.111 | 0.050 | EETHC2D182DA |
| | 35 x 40 | 3.08 | 4.31 | 0.129 | 0.064 | EETHC2D182EA |
| 2200 | 30 x 50 | 3.48 | 4.87 | 0.090 | 0.041 | EETHC2D222DA |
| | 35 x 45 | 3.48 | 4.87 | 0.098 | 0.044 | EETHC2D222EA |

250 VDC Working, 300 VDC Surge

| | | | | | | |
|------|---------|------|------|-------|-------|--------------|
| 270 | 22 x 25 | 1.10 | 1.54 | 0.614 | 0.276 | EETHC2E271BA |
| 330 | 22 x 30 | 1.20 | 1.68 | 0.502 | 0.226 | EETHC2E331BA |
| | 25 x 25 | 1.20 | 1.68 | 0.502 | 0.226 | EETHC2E331CA |
| 390 | 22 x 35 | 1.30 | 1.82 | 0.425 | 0.191 | EETHC2E391BA |
| | 25 x 25 | 1.30 | 1.82 | 0.425 | 0.191 | EETHC2E391CA |
| 470 | 22 x 40 | 1.40 | 1.96 | 0.353 | 0.159 | EETHC2E471BA |
| | 25 x 30 | 1.40 | 1.96 | 0.353 | 0.159 | EETHC2E471CA |
| | 30 x 25 | 1.40 | 1.96 | 0.353 | 0.159 | EETHC2E471DA |
| 560 | 22 x 45 | 1.50 | 2.10 | 0.296 | 0.133 | EETHC2E561BA |
| | 25 x 35 | 1.50 | 2.10 | 0.296 | 0.133 | EETHC2E561CA |
| | 30 x 25 | 1.50 | 2.10 | 0.296 | 0.133 | EETHC2E561DA |
| 680 | 22 x 50 | 1.70 | 2.38 | 0.244 | 0.110 | EETHC2E681BA |
| | 25 x 40 | 1.70 | 2.38 | 0.244 | 0.110 | EETHC2E681CA |
| | 30 x 30 | 1.70 | 2.38 | 0.244 | 0.110 | EETHC2E681DA |
| | 35 x 25 | 1.70 | 2.38 | 0.244 | 0.110 | EETHC2E681EA |
| 820 | 25 x 45 | 2.00 | 2.80 | 0.202 | 0.091 | EETHC2E821CA |
| | 30 x 35 | 2.00 | 2.80 | 0.202 | 0.091 | EETHC2E821DA |
| | 35 x 30 | 2.00 | 2.80 | 0.202 | 0.091 | EETHC2E821EA |
| 1000 | 30 x 40 | 2.20 | 3.08 | 0.166 | 0.075 | EETHC2E102DA |
| 1200 | 30 x 45 | 2.30 | 3.22 | 0.138 | 0.062 | EETHC2E122DA |
| 1500 | 35 x 45 | 2.50 | 3.50 | 0.111 | 0.050 | EETHC2E152EA |
| 1800 | 35 x 50 | 2.70 | 3.78 | 0.092 | 0.041 | EETHC2E182EA |

350 VDC Working, 400 VDC Surge

| | | | | | | |
|-----|---------|------|------|-------|-------|--------------|
| 120 | 22 x 25 | 0.75 | 1.05 | 1.382 | 0.622 | EETHC2V121BA |
| 150 | 22 x 30 | 0.82 | 1.15 | 1.105 | 0.497 | EETHC2V151BA |
| 180 | 22 x 30 | 0.90 | 1.26 | 0.921 | 0.414 | EETHC2V181BA |
| | 25 x 25 | 0.90 | 1.26 | 0.921 | 0.414 | EETHC2V181CA |
| 220 | 22 x 35 | 1.00 | 1.40 | 0.754 | 0.339 | EETHC2V221BA |
| | 25 x 30 | 1.00 | 1.40 | 0.754 | 0.339 | EETHC2V221CA |
| 270 | 25 x 35 | 1.10 | 1.54 | 0.614 | 0.276 | EETHC2V271CA |
| | 30 x 25 | 1.10 | 1.54 | 0.614 | 0.276 | EETHC2V271DA |

| Cap. (μ F) | Size (mm) D x L | Max 105°C R.C. (A_{rms}) | | 20°C ESR (Ω , max.) | | Panasonic Part Number |
|--------------------|--------------------|------------------------------|--------|-----------------------------|-------|--------------------------|
| | | 120Hz | 10kHz~ | 120Hz | 20kHz | |

350 VDC Working, 400 VDC Surge (continued)

| | | | | | | |
|-----|---------|------|------|-------|-------|--------------|
| 330 | 25 x 40 | 1.20 | 1.68 | 0.502 | 0.226 | EETHC2V331DA |
| 390 | 25 x 45 | 1.30 | 1.82 | 0.425 | 0.191 | EETHC2V391CA |
| 470 | 30 x 35 | 1.30 | 1.82 | 0.425 | 0.191 | EETHC2V391DA |
| | 35 x 30 | 1.40 | 1.96 | 0.425 | 0.191 | EETHC2V471CA |
| 560 | 25 x 50 | 1.40 | 2.10 | 0.296 | 0.133 | EETHC2V561DA |
| | 35 x 35 | 1.50 | 2.10 | 0.296 | 0.133 | EETHC2V561EA |
| | 30 x 40 | 1.70 | 2.38 | 0.244 | 0.110 | EETHC2V681DA |
| | 35 x 40 | 1.70 | 2.38 | 0.244 | 0.110 | EETHC2V681EA |
| 680 | 30 x 50 | 1.70 | 2.38 | 0.244 | 0.110 | EETHC2V681EA |
| | 35 x 45 | 1.70 | 2.38 | 0.244 | 0.110 | EETHC2V681EA |
| | 30 x 50 | 1.90 | 2.66 | 0.202 | 0.091 | EETHC2V821EA |
| | 35 x 50 | 1.90 | 2.66 | 0.202 | 0.091 | EETHC2V821EA |

400 VDC Working, 450 VDC Surge

| | | | | | | |
|-----|---------|------|------|-------|-------|--------------|
| 100 | 22 x 25 | 0.70 | 0.98 | 1.824 | 0.821 | EETHC2G101BA |
| 120 | 22 x 30 | 0.75 | 1.05 | 1.520 | 0.684 | EETHC2G121BA |
| 150 | 22 x 30 | 0.88 | 1.23 | 1.216 | 0.547 | EETHC2G151BA |
| 180 | 22 x 35 | 0.95 | 1.33 | 1.013 | 0.456 | EETHC2G181BA |
| 220 | 22 x 45 | 1.10 | 1.54 | 1.54 | 0.829 | EETHC2G221BA |
| | 25 x 35 | 1.10 | 1.54 | 1.54 | 0.829 | EETHC2G221CA |
| | 30 x 25 | 1.10 | 1.54 | 1.54 | 0.829 | EETHC2G221DA |
| | 25 x 40 | 1.22 | 1.71 | 1.71 | 0.675 | EETHC2G271BA |
| 270 | 22 x 50 | 1.22 | 1.71 | 1.71 | 0.675 | EETHC2G271CA |
| | 25 x 40 | 1.22 | 1.71 | 1.71 | 0.675 | EETHC2G271DA |
| | 30 x 30 | 1.22 | 1.71 | 1.71 | 0.675 | EETHC2G271EA |
| | 35 x 25 | 1.22 | 1.71 | 1.71 | 0.675 | EETHC2G271EA |
| 330 | 25 x 45 | 1.44 | 2.02 | 0.553 | 0.249 | EETHC2G331CA |
| | 30 x 35 | 1.44 | 2.02 | 0.553 | 0.249 | EETHC2G331DA |
| | 35 x 30 | 1.44 | 2.02 | 0.553 | 0.249 | EETHC2G331EA |
| | 30 x 35 | 1.55 | 2.17 | 0.468 | 0.210 | EETHC2G391CA |
| 390 | 25 x 50 | 1.55 | 2.17 | 0.468 | 0.210 | EETHC2G391DA |
| | 30 x 40 | 1.55 | 2.17 | 0.468 | 0.210 | EETHC2G391EA |
| | 35 x 30 | 1.55 | 2.17 | 0.468 | 0.210 | EETHC2G391EA |
| | 30 x 35 | 1.68 | 2.35 | 0.388 | 0.175 | EETHC2G471EA |
| 470 | 30 x 45 | 1.68 | 2.35 | 0.388 | 0.175 | EETHC2G471DA |
| | 35 x 35 | 1.68 | 2.35 | 0.388 | 0.175 | EETHC2G471EA |
| | 30 x 50 | 1.90 | 2.66 | 0.326 | 0.147 | EETHC2G561DA |
| | 35 x 40 | 1.90 | 2.66 | 0.326 | 0.147 | EETHC2G561EA |
| 560 | 35 x 45 | 2.12 | 2.97 | 0.268 | 0.121 | EETHC2G681EA |
| | 30 x 50 | 2.12 | 2.97 | 0.268 | 0.121 | EETHC2G681EA |

450 VDC Working, 500 VDC Surge

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