

# TYV series

105°C 8000時間 低ESR品  
Load Life : 105°C 8000 hours, Low ESR

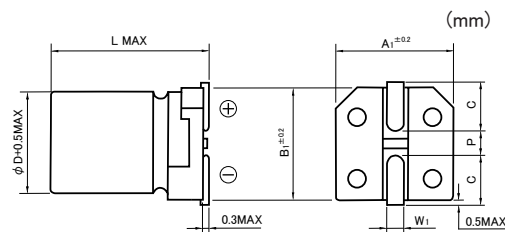
AEC-Q200



## ◆規格表／SPECIFICATIONS

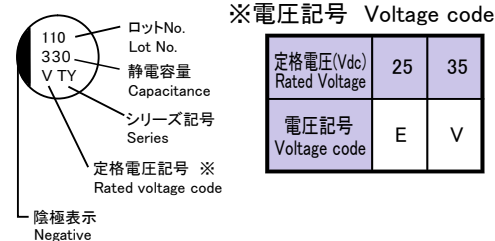
| 項目 Item                                                                  | 特性 Characteristics                                                                                                                                                                      |                                                          |                     |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------|
| カテゴリ温度範囲<br>Category Temperature Range                                   | -55~+105°C                                                                                                                                                                              |                                                          |                     |
| 定格電圧範囲<br>Rated Voltage Range                                            | 25, 35Vdc                                                                                                                                                                               |                                                          |                     |
| 静電容量許容差<br>Capacitance Tolerance                                         | ±20% (20°C, 120Hz)                                                                                                                                                                      |                                                          |                     |
| 漏れ電流<br>Leakage Current (MAX)                                            | I=0.01CV 又は 3μA のいずれか大なる値以下 (定格電圧印加2分後)<br>I=0.01CV or 3μA whichever is greater. (After 2 minutes)<br>I=漏れ電流 (μA) C=静電容量 (μF) V=定格電圧 (Vdc)<br>Leakage Current Capacitance Rated Voltage |                                                          |                     |
| 損失角の正接<br>(tan δ)<br>Dissipation Factor(MAX)                             | 定格電圧 (Vdc)<br>Rated Voltage                                                                                                                                                             | 25                                                       | 35<br>(20°C, 120Hz) |
|                                                                          | tan δ                                                                                                                                                                                   | 0.14                                                     | 0.12                |
| 耐久性<br>Endurance                                                         | 105°C中で表の時間定格電圧印加後、下記項目を満足すること。<br>After applying rated voltage for specified time at 105°C,<br>the capacitors shall meet the following requirements.                                   |                                                          |                     |
|                                                                          | 静電容量変化率<br>Capacitance Change                                                                                                                                                           | 初期値の±35%以内<br>Within ±35% of the initial value.          |                     |
|                                                                          | 損失角の正接<br>Dissipation Factor                                                                                                                                                            | 規格値の300%以下<br>Not more than 300% of the specified value. |                     |
|                                                                          | 漏れ電流<br>Leakage Current                                                                                                                                                                 | 規格値以下<br>Not more than the specified value.              |                     |
| 低温特性<br>Low Temperature Stability<br>(インピーダンス比)<br>Impedance Ratio (MAX) | 定格電圧 (Vdc)<br>Rated Voltage                                                                                                                                                             | 25                                                       | 35<br>(120Hz)       |
|                                                                          | 時間 (hrs)<br>LifeTime                                                                                                                                                                    | 8000                                                     |                     |
|                                                                          | Z(-25°C)/Z(20°C)                                                                                                                                                                        | 2                                                        | 2                   |
|                                                                          | Z(-40°C)/Z(20°C)                                                                                                                                                                        | 3                                                        | 3                   |
|                                                                          | Z(-55°C)/Z(20°C)                                                                                                                                                                        | 3                                                        | 3                   |

## ◆寸法図／DIMENSIONS



| φD | L    | A1   | B1   | C   | W1      | P   |
|----|------|------|------|-----|---------|-----|
| 8  | 10.5 | 8.3  | 8.3  | 2.9 | 0.8~1.1 | 3.1 |
| 10 | 10.5 | 10.3 | 10.3 | 3.2 | 0.8~1.1 | 4.5 |

## ◆表示／MARKING



※電圧記号 Voltage code

|                            |    |    |
|----------------------------|----|----|
| 定格電圧(Vdc)<br>Rated Voltage | 25 | 35 |
| 電圧記号<br>Voltage code       | E  | V  |

## ◆リップル電流補正係数／ MULTIPLIER FOR RIPPLE CURRENT

| 周波数 (Hz)<br>Frequency | 120  | 1k   | 10k  | 100k≤ |
|-----------------------|------|------|------|-------|
| 係数<br>Coefficient     | 0.60 | 0.85 | 0.95 | 1.00  |

## ◆呼称方法／PART NUMBER

|                       |                 |                     |                                  |               |                     |
|-----------------------|-----------------|---------------------|----------------------------------|---------------|---------------------|
| □□□                   | TYV             | □□□□□               | M                                | □□□           | D x L               |
| 定格電圧<br>Rated Voltage | シリーズ名<br>Series | 静電容量<br>Capacitance | 静電容量許容差<br>Capacitance Tolerance | 副記号<br>Option | ケースサイズ<br>Case Size |

## ◆標準品一覧表／STANDARD SIZE

Size φD×L(mm), Rated Ripple Current (mA r.m.s./105°C, 100kHz), ESR(Ω MAX/20°C 100kHz)

| Vdc | Cap<br>(μF) | Size<br>(φD×L) | Ripple | ESR  |
|-----|-------------|----------------|--------|------|
| 25  | 470         | 8×10.5         | 850    | 0.10 |
|     | 820         | 10×10.5        | 1190   | 0.07 |

| Vdc | Cap<br>(μF) | Size<br>(φD×L) | Ripple | ESR  |
|-----|-------------|----------------|--------|------|
| 35  | 330         | 8×10.5         | 850    | 0.10 |
|     | 560         | 10×10.5        | 1190   | 0.07 |

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