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## EEEHA1C470WR : Aluminum Electrolytic Capacitors (Surface Mount Type)

Product : Aluminum Electrolytic Capacitors (Surface Mount Type)  
 Series/Type : HA  
 Parts no : EEEHA1C470WR **NRFND**



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 Notes for using technical information

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CAD Data Download

### Specification

| Item                                   | Performance characteristics               |
|----------------------------------------|-------------------------------------------|
| Body shape                             | Surface mount type (vertical mount style) |
| Polarity type                          | Polar                                     |
| Rated voltage (V)                      | 16.00                                     |
| Capacitance (µF)                       | 47.00                                     |
| Tolerance on capacitance (%)           | -20 - 20                                  |
| Tangent of loss angle (max.)           | 0.26                                      |
| Leakage current (max.) (µA)            | 7.5                                       |
| Category temperature range (°C)        | -40 - 105                                 |
| Body diameter (mm)                     | 5.0                                       |
| Body length (mm)                       | 5.4                                       |
| Lead (terminal) pitch (mm)             | -                                         |
| Rated ripple current-1 (freq.) (Hz)    | 120                                       |
| Rated ripple current-1 (mA)            | 39.0                                      |
| Rated ripple current-1 (unit)          | mArms                                     |
| Rated ripple current-2(freq.) (Hz)     | -                                         |
| Rated ripple current-2 (mA)            | -                                         |
| Rated ripple current-2(unit)           | -                                         |
| Impedance-1 (frequency) (Hz)           | -                                         |
| Impedance-1 (max. value) (mΩ)          | -                                         |
| E.S.R.-1 (frequency) (Hz)              | -                                         |
| E.S.R.-1 (max. value) (mΩ)             | -                                         |
| Endurance (h)                          | 1000                                      |
| Forming & packaging feature            | Embossed carrier taping (reel packing)    |
| Appearance                             | Sheathless (metal case)                   |
| Quantity (min. packaging unit) (piece) | 1000                                      |
| Weight (Typ.) (g)                      | -                                         |

### Documents

#### [Catalog/Datasheet]

- Datasheet(776KB)
- Products Catalog (Surface Mount Type Aluminum Electrolytic)(11326KB)

#### [Product Specifications]

- Recommended soldering condition(326KB)
- Packaging Specifications(289KB)
- Product system(139KB)
- Explanation of Part Numbers(236KB)

#### [Safety / Environmental information]

- Letter for Certificate of Compliance to EU RoHS Directive (EEEHA1C470WR)
- Report of Confirmation of EU REACH (EEEHA1C470WR)
- Letter for Certificate of Compliance to EU RoHS Directive (HA)
- Report of Confirmation of EU REACH (HA)
- Safety Precautions(469KB)
- Packaging material list (for Italy) (301KB)

#### [Other]

- Certification by public institutions(ISO,IATF)
- Country of Origin(156KB)

### Buy or Sample

| Panasonic part number | Stock | Buy or Sample             | Distributor            | Location | Date       |
|-----------------------|-------|---------------------------|------------------------|----------|------------|
| EEEHA1C470WR          | 1,840 | <a href="#">Purchase </a> | Anglia Components Ltd. | Europe   | 04/26/2022 |

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