

EEE-HA1H220P



**Part Number:** [EEE-HA1H220P](#)

**Manufacturer:** [Panasonic](#)

**Description:** CAP ALUM 22UF 20% 50V SMD

**Data sheet:**  [EEE-HA Series, Type V](#)  
 [Aluminum Elect Caps, Part Number System](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                              |                                    |                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                   | EEE-HA1H220P                                                                 | Manufacturer                       | <a href="#">Panasonic</a>                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                   | CAP ALUM 22UF 20% 50V SMD                                                    | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                            | 576744 pcs                                                                   | Data sheet                         | <a href="#">EEE-HA Series, Type V</a><br><a href="#">Aluminum Elect Caps, Part Number System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Capacitors</a>                                                   | Voltage - Rated                    | 50V                                                                                              |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                     | ±20%                                                                         | Surface Mount Land Size            | 0.327" L x 0.327" W (8.30mm x 8.30mm)                                                            |
| Size / Dimension                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.315" Dia (8.00mm)                                                          | Series                             | HA                                                                                               |
| Ripple Current @ Low Frequency                                                                                                                                                                                                                                                                                                                                                                                                                | 70mA @ 120Hz                                                                 | Ripple Current @ High Frequency    | 119mA @ 10kHz                                                                                    |
| Ratings                                                                                                                                                                                                                                                                                                                                                                                                                                       | AEC-Q200                                                                     | Polarization                       | Polar                                                                                            |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                     | Tape & Reel (TR)                                                             | Package / Case                     | Radial, Can - SMD                                                                                |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                   | EEEHA1H220P<br>PCE4213TR                                                     | Operating Temperature              | -40°C ~ 105°C                                                                                    |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                 | Surface Mount                                                                | Moisture Sensitivity Level (MSL)   | 1 (Unlimited)                                                                                    |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                               | 19 Weeks                                                                     | Lifetime @ Temp.                   | 1000 Hrs @ 105°C                                                                                 |
| Lead Spacing                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                            | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                                                                       |
| Height - Seated (Max)                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.244" (6.20mm)                                                              | ESR (Equivalent Series Resistance) | -                                                                                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                          | 22µF 50V Aluminum Electrolytic Capacitors Radial, Can - SMD 1000 Hrs @ 105°C | Capacitance                        | 22µF                                                                                             |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                  | Automotive                                                                   |                                    |                                                                                                  |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Panasonic series electronic components. We have 576744 pieces of Panasonic EEE-HA1H220P in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                              |                                    |                                                                                                  |

| RELATED PRODUCTS                                                                   |                                                                                 |                                                                |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EEE-HA1H330XP</a><br>Description: CAP ALUM 33UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H3R3R</a><br>Description: CAP ALUM 3.3UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H101P</a><br>Description: CAP ALUM 100UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H100P</a><br>Description: CAP ALUM 10UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H1R0R</a><br>Description: CAP ALUM 1UF 20% 50V SMD    | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H3R3AR</a><br>Description: CAP ALUM 3.3UF 20% 50V SMD | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H221P</a><br>Description: CAP ALUM 220UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H330UP</a><br>Description: CAP ALUM 33UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H220AP</a><br>Description: CAP ALUM 22UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H2R2R</a><br>Description: CAP ALUM 2.2UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H101UP</a><br>Description: CAP ALUM 100UF 20% 50V SMD | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H2R2AR</a><br>Description: CAP ALUM 2.2UF 20% 50V SMD | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H100AP</a><br>Description: CAP ALUM 10UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H330P</a><br>Description: CAP ALUM 33UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H330AP</a><br>Description: CAP ALUM 33UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic Electronic Components</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1E4R7R</a><br>Description: CAP ALUM 4.7UF 20% 25V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H101AP</a><br>Description: CAP ALUM 100UF 20% 50V SMD | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H1R0AR</a><br>Description: CAP ALUM 1UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1H470AP</a><br>Description: CAP ALUM 47UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-HA1E4R7AR</a><br>Description: CAP ALUM 4.7UF 20% 25V SMD | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |

Related keywords for EEE-HA1H220P

|                                                                 |                                            |                                                     |                                                    |
|-----------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------|----------------------------------------------------|
| Panasonic EEE-HA1H220P                                          | EEE-HA1H220P distributor                   | EEE-HA1H220P supplier                               | EEE-HA1H220P price                                 |
| EEE-HA1H220P download datasheet                                 | EEE-HA1H220P datasheet                     | EEE-HA1H220P stock                                  | buy EEE-HA1H220P                                   |
| Panasonic EEE-HA1H220P                                          | Panasonic - Consumer Division EEE-HA1H220P | Panasonic - Consumer Electronics Corp. EEE-HA1H220P | Panasonic Battery Group EEE-HA1H220P               |
| Panasonic Electronic Components - Semiconductor Pr EEE-HA1H220P | Panasonic - ATG EEE-HA1H220P               | Panasonic - BSG EEE-HA1H220P                        | Panasonic Electric Works - ACSD EEE-HA1H220P       |
|                                                                 | Panasonic Electric Works EEE-HA1H220P      | Panasonic Electronic Components EEE-HA1H220P        | Panasonic - DTG EEE-HA1H220P                       |
|                                                                 |                                            |                                                     | Panasonic Industrial Automation Sales EEE-HA1H220P |
| Panasonic Semiconductor EEE-HA1H220P                            |                                            |                                                     |                                                    |

