

EEE-1HA220P



**Part Number:** [EEE-1HA220P](#)

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

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

**Data sheet:**  [S 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-1HA220P                                                                 | Manufacturer                       | <a href="#">Panasonic</a>                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | CAP ALUM 22UF 20% 50V SMD                                                   | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                           | 658930 pcs                                                                  | Data sheet                         | <a href="#">S 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                             | S                                                                                           |
| Ripple Current @ Low Frequency                                                                                                                                                                                                                                                                                                                                                                                                               | 120mA @ 120Hz                                                               | Ripple Current @ High Frequency    | 204mA @ 10kHz                                                                               |
| Ratings                                                                                                                                                                                                                                                                                                                                                                                                                                      | AEC-Q200                                                                    | Polarization                       | Polar                                                                                       |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                    | Tape & Reel (TR)                                                            | Package / Case                     | Radial, Can - SMD                                                                           |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                  | EEE1HA220P<br>PCE3918TR                                                     | Operating Temperature              | -40°C ~ 85°C                                                                                |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                | Surface Mount                                                               | Moisture Sensitivity Level (MSL)   | 1 (Unlimited)                                                                               |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                              | 21 Weeks                                                                    | Lifetime @ Temp.                   | 2000 Hrs @ 85°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 2000 Hrs @ 85°C | Capacitance                        | 22µF                                                                                        |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                 | Automotive                                                                  |                                    |                                                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                 |                                                                |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EEE-1HA2R2AR</a><br>Description: CAP ALUM 2.2UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA220UP</a><br>Description: CAP ALUM 22UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA101AP</a><br>Description: CAP ALUM 100UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA100SP</a><br>Description: CAP ALUM 10UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA2R2SR</a><br>Description: CAP ALUM 2.2UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA100WAR</a><br>Description: CAP ALUM 10UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA100AP</a><br>Description: CAP ALUM 10UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA221UAP</a><br>Description: CAP ALUM 220UF 20% 50V SMD | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA101UP</a><br>Description: CAP ALUM 100UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA101UAP</a><br>Description: CAP ALUM 100UF 20% 50V SMD | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA220AP</a><br>Description: CAP ALUM 22UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA100WR</a><br>Description: CAP ALUM 10UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA1R0AR</a><br>Description: CAP ALUM 1UF 20% 50V SMD    | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA2R2NR</a><br>Description: CAP ALUM 2.2UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA330P</a><br>Description: CAP ALUM 33UF 20% 50V SMD    | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA101P</a><br>Description: CAP ALUM 100UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA221P</a><br>Description: CAP ALUM 220UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic Electronic Components</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA220WAP</a><br>Description: CAP ALUM 22UF 20% 50V SMD  | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA220WP</a><br>Description: CAP ALUM 22UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EEE-1HA330AP</a><br>Description: CAP ALUM 33UF 20% 50V SMD   | Manufacturers: <a href="#">Panasonic</a>                       | <a href="#">RFQ</a> |

Related keywords for EEE-1HA220P

|                                                                |                                                                     |                                                                            |                                                                                    |
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| Panasonic EEE-1HA220P                                          | EEE-1HA220P distributor                                             | EEE-1HA220P supplier                                                       | EEE-1HA220P price                                                                  |
| EEE-1HA220P download datasheet                                 | EEE-1HA220P datasheet                                               | EEE-1HA220P stock                                                          | buy EEE-1HA220P                                                                    |
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