

RPS1H820MCN1GS



Part Number: [RPS1H820MCN1GS](#)

Manufacturer: [Nichicon](#)

Description: CAP ALUM POLY 82UF 20% 50V SMD

Data sheet:  [Chip Type Tape Spec](#)  
 [Polymer Aluminum Land, Reflow](#)  
 [RPS, RPA Series](#)

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                                                                                                                                                                                                                                                                                                                                                                                                                                  | RPS1H820MCN1GS                                                                 | Manufacturer                       | <a href="#">Nichicon</a>                                                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | CAP ALUM POLY 82UF 20% 50V SMD                                                 | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                           | 42535 pcs                                                                      | Data sheet                         | <a href="#">Chip Type Tape Spec</a><br><a href="#">Polymer Aluminum Land, Reflow</a><br><a href="#">RPS, RPA Series</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Capacitors</a>                                                     | Voltage - Rated                    | 50V                                                                                                                     |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                                         | Polymer                                                                        | Tolerance                          | ±20%                                                                                                                    |
| Surface Mount Land Size                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.406" L x 0.406" W (10.30mm x 10.30mm)                                        | Size / Dimension                   | 0.394" Dia (10.00mm)                                                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                       | FPCAP, RPS                                                                     | Ripple Current @ Low Frequency     | 280mA @ 120Hz                                                                                                           |
| Ripple Current @ High Frequency                                                                                                                                                                                                                                                                                                                                                                                                              | 2.8A @ 100kHz                                                                  | Ratings                            | -                                                                                                                       |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                    | Cut Tape (CT)                                                                  | Package / Case                     | Radial, Can - SMD                                                                                                       |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                  | 493-6651-1                                                                     | Operating Temperature              | -55°C ~ 105°C                                                                                                           |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                | Surface Mount                                                                  | Moisture Sensitivity Level (MSL)   | 1 (Unlimited)                                                                                                           |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                              | 18 Weeks                                                                       | Lifetime @ Temp.                   | 2000 Hrs @ 105°C                                                                                                        |
| Lead Spacing                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                              | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                                                                                              |
| Height - Seated (Max)                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.500" (12.70mm)                                                               | ESR (Equivalent Series Resistance) | 23 mOhm                                                                                                                 |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                         | 82µF 50V Aluminum Polymer Capacitor Radial, Can - SMD 23 mOhm 2000 Hrs @ 105°C | Capacitance                        | 82µF                                                                                                                    |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                 | General Purpose                                                                |                                    |                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                         |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------|----------------|
|  | Part#: <a href="#">RPS1E391MCN1GS</a><br>Description: CAP ALUM POLY 390UF 20% 25V SMD | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1K5</a><br>Description: POT 1.5K OHM 225W WIREWOUND LIN         | Manufacturers: <a href="#">Ohmite</a>   | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1E101MCN1GS</a><br>Description: CAP ALUM POLY 100UF 20% 25V SMD | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1E220MCN1GS</a><br>Description: CAP ALUM POLY 22UF 20% 25V SMD  | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1K5E</a><br>Description: POT 1.5K OHM 225W WIREWOUND LIN        | Manufacturers: <a href="#">Ohmite</a>   | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1H220MCN1GS</a><br>Description: CAP ALUM POLY 22UF 20% 50V SMD  | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1H330MCN1GS</a><br>Description: CAP ALUM POLY 33UF 20% 50V SMD  | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1H120MCN1GS</a><br>Description: CAP ALUM POLY 12UF 20% 50V SMD  | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1J220MCN1GS</a><br>Description: CAP ALUM POLY 22UF 20% 63V SMD  | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1C821MCN1GS</a><br>Description: CAP ALUM POLY 820UF 20% 16V SMD | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1K2</a><br>Description: POT 1.2K OHM 225W WIREWOUND LIN         | Manufacturers: <a href="#">Ohmite</a>   | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1H390MCN1GS</a><br>Description: CAP ALUM POLY 39UF 20% 50V SMD  | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1J120MCN1GS</a><br>Description: CAP ALUM POLY 12UF 20% 63V SMD  | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1K2E</a><br>Description: POT 1.2K OHM 225W WIREWOUND LIN        | Manufacturers: <a href="#">Ohmite</a>   | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1J8R2MCN1GS</a><br>Description: CAP ALUM POLY 8.2UF 20% 63V SMD | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1J330MCN1GS</a><br>Description: CAP ALUM POLY 33UF 20% 63V SMD  | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1J560MCN1GS</a><br>Description: CAP ALUM POLY 56UF 20% 63V SMD  | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1E221MCN1GS</a><br>Description: CAP ALUM POLY 220UF 20% 25V SMD | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1H470MCN1GS</a><br>Description: CAP ALUM POLY 47UF 20% 50V SMD  | Manufacturers: <a href="#">Nichicon</a> | <div>RFQ</div> |
|  | Part#: <a href="#">RPS1K75</a><br>Description: POT 1.75K OHM 225W WIREWOUND LIN       | Manufacturers: <a href="#">Ohmite</a>   | <div>RFQ</div> |

Related keywords for RPS1H820MCN1GS

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