

PCV1V820MCL1GS



**Part Number:** [PCV1V820MCL1GS](#)

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

**Description:** CAP ALUM POLY 82UF 20% 35V SMD

**Data sheet:** [PDF Polymer Aluminum Land, Reflow](#)  
[PDF Chip Type Tape Spec](#)  
[PDF PCV Series Datasheet](#)

**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                                                                                                                                                                                                                                                                                                                                                                                                                                  | PCV1V820MCL1GS                                                                      | Manufacturer                       | <a href="#">Nichicon</a>                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | CAP ALUM POLY 82UF 20% 35V SMD                                                      | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                           | 86590 pcs                                                                           | Data sheet                         | <a href="#">Polymer Aluminum Land, Reflow</a><br><a href="#">Chip Type Tape Spec</a><br><a href="#">PCV Series Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Capacitors</a>                                                          | Type                               | Polymer                                                                                                                      |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                    | 82µF                                                                                | Surface Mount Land Size            | -                                                                                                                            |
| Size / Dimension                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.315" Dia (8.00mm)                                                                 | Series                             | PCV                                                                                                                          |
| RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tape & Reel (TR)                                                                    | Ripple Current - Low Frequency     | -                                                                                                                            |
| Ripple Current - High Frequency                                                                                                                                                                                                                                                                                                                                                                                                              | -                                                                                   | Polarization                       | Radial, Can - SMD                                                                                                            |
| Pitch - Connector                                                                                                                                                                                                                                                                                                                                                                                                                            | 35V                                                                                 | Package / Case                     | 0.327" L x 0.327" W (8.30mm x 8.30mm)                                                                                        |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                  | 493-4386-2                                                                          | Operating Temperature              | -55°C ~ 105°C                                                                                                                |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                | Surface Mount                                                                       | Moisture Sensitivity Level (MSL)   | 1 (Unlimited)                                                                                                                |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                              | 21 Weeks                                                                            | Manufacturer Part Number           | PCV1V820MCL1GS                                                                                                               |
| Lifetime @ Temp.                                                                                                                                                                                                                                                                                                                                                                                                                             | 29 mOhm                                                                             | Lead Spacing                       | 2.2A @ 100kHz                                                                                                                |
| Impedance                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                                   | Height - Seated (Max)              | 0.472" (12.00mm)                                                                                                             |
| Expanded Description                                                                                                                                                                                                                                                                                                                                                                                                                         | 82µF ±20% 35V Aluminum Polymer Capacitor Radial, Can - SMD 29 mOhm 3000 Hrs @ 105°C | ESR (Equivalent Series Resistance) | ±20%                                                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | CAP ALUM POLY 82UF 20% 35V SMD                                                      | Applications                       | 3000 Hrs @ 105°C                                                                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                                    |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">PCV1V680MCL1GS</a><br>Description: CAP ALUM POLY 68UF 20% 35V SMD  | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V121MCL2GS</a><br>Description: CAP ALUM POLY 120UF 20% 35V SMD | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V180MCL1GS</a><br>Description: CAP ALUM POLY 18UF 20% 35V SMD  | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV200-ALP</a><br>Description: CBI LED T-1 3/4 5MM RIGHT ANGLE     | Manufacturers: <a href="#">VCC (Visual Communications Company)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V270MCL1GS</a><br>Description: CAP ALUM POLY 27UF 20% 35V SMD  | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV200-BCR</a><br>Description: CBI LED T-1 3/4 5MM VERTICAL MOU    | Manufacturers: <a href="#">VCC (Visual Communications Company)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V220MCL2GS</a><br>Description: CAP ALUM POLY 22UF 20% 35V SMD  | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV200-BCG</a><br>Description: CBI LED T-1 3/4 5MM VERTICAL MOU    | Manufacturers: <a href="#">VCC (Visual Communications Company)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV200-BCA</a><br>Description: CBI LED T-1 3/4 5MM VERTICAL MOU    | Manufacturers: <a href="#">VCC (Visual Communications Company)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V151MCL1GS</a><br>Description: CAP ALUM POLY 150UF 20% 35V SMD | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV200-BA</a><br>Description: CBI LED T-1 3/4 5MM RIGHT ANGLE      | Manufacturers: <a href="#">VCC (Visual Communications Company)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV200-BA12V</a><br>Description: CBI LED T-1 3/4 5MM 60DEG 583NM   | Manufacturers: <a href="#">VCC (Visual Communications Company)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V820MCL2GS</a><br>Description: CAP ALUM POLY 82UF 20% 35V SMD  | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV200-BA5V</a><br>Description: CBI LED T-1 3/4 5MM 60DEG 583NM    | Manufacturers: <a href="#">VCC (Visual Communications Company)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV200-BG</a><br>Description: CBI LED T-1 3/4 5MM RIGHT ANGLE      | Manufacturers: <a href="#">VCC (Visual Communications Company)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V820MCL7GS</a><br>Description: CAP ALUM POLY 82UF 20% 35V SMD  | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V121MCL7GS</a><br>Description: CAP ALUM POLY 120UF 20% 35V SMD | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V181MCL2GS</a><br>Description: CAP ALUM POLY 180UF 20% 35V SMD | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V560MCL1GS</a><br>Description: CAP ALUM POLY 56UF 20% 35V SMD  | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PCV1V390MCL2GS</a><br>Description: CAP ALUM POLY 39UF 20% 35V SMD  | Manufacturers: <a href="#">Nichicon</a>                            | <a href="#">RFQ</a> |

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