

## 2R5SVPC820M

#### **2R5SVPC820M Information**



| Part Number  | 2R5SVPC820M                                                                                                                      |  |
|--------------|----------------------------------------------------------------------------------------------------------------------------------|--|
| Manufacturer | Panasonic Electronic Components                                                                                                  |  |
| Category     | Capacitors<br>Aluminum - Polymer Capacitors                                                                                      |  |
| Description  | CAP ALUM POLY 820UF 20% 2.5V SMD                                                                                                 |  |
| Package      | Radial, Can - SMD                                                                                                                |  |
|              | For the pricing/inventory/lead time, please contact<br>us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com |  |



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For Reference Only

### **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



#### **2R5SVPC820M Specifications**

| Manufacturer     Panasonic Electronic Components       Category     Capacitors       Aluminum - Polymer Capacitors     Radial, Can - SMD       Package     Radial, Can - SMD       Series     OS-CON?, SVPC       Type     Polymer       Capacitors     #20%       Capacitance     ±20%       Voltage - Rated     2.5V       ESR (Equivalent Series Resistance)     9 mOhm       Lifetime @ Temp.     2000 Hrs @ 105°C       Operating Temperature     -       Applications     -       Ripple Current - Low Frequency     269mA @ 120Hz       Impedance     -       Lead Spacing     -       Size / Dimension     0.315" Dia (8.00mm)       Height - Seated (Max)     0.327" L x 0.327" W (8.30mm x 8.30mm) |                                    |                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------|
| CategoryCapacitorsAluminum - Polymer CapacitorsPackageRadial, Can - SMDPackageOS-CON?, SVPCTypePolymerCapacitance820µFTolerance±20%Voltage - Rated2.5VESR (Equivalent Series Resistance)9 mOhmLifetime @ Temp.2000 Hrs @ 105°COperating Temperature-55°C ~ 105°CApplications-Ripple Current - Low Frequency269mA @ 120HzRipple Current - High Frequency5.38A @ 100kHzImpedance-Liefath - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                   | Manufacturer Part Number           | 2R5SVPC820M                           |
| Aluminum - Polymer CapacitorsPackageRadial, Can - SMDSeriesOS-CON?, SVPCTypePolymerCapacitance $\pm 20 \mu F$ Tolerance $\pm 20 \%$ Voltage - Rated $2.5 V$ ESR (Equivalent Series Resistance)9 mOhmLifetime @ Temp.2000 Hrs @ 105°COperating Temperature $-55°C ~ 105°C$ Applications-Ripple Current - Low Frequency269mA @ 120HzRipple Current - High Frequency $-338A @ 100kHz$ Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Package / CaseRadial, Can - SMD                                                                                                                                                       | Manufacturer                       | Panasonic Electronic Components       |
| PackageRadial, Can - SMDSeriesOS-CON?, SVPCTypePolymerCapacitance820µFTolerance±20%Voltage - Rated2.5VESR (Equivalent Series Resistance)9 mOhmLifetime @ Temp.2000 Hrs @ 105°COperating Temperature-55°C ~ 105°CApplications-Ripple Current - Low Frequency269mA @ 120HzRipple Current - High Frequency5.38A @ 100kHzImpedance-Lad Spacing-Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Package / CaseRadial, Can - SMD                                                                                                                                                                                               | Category                           | Capacitors                            |
| SeriesOS-CON?, SVPCTypePolymerCapacitance820µFTolerance±20%Voltage - Rated2.5VESR (Equivalent Series Resistance)9 mOhmLifetime @ Temp.2000 Hrs @ 105°COperating Temperature-55°C ~ 105°CApplications-Ripple Current - Low Frequency269mA @ 120HzRipple Current - High Frequency5.38A @ 100kHzImpedance-Lied Spacing0.315" Dia (8.00mm)Size / Dimension0.327" L x 0.327" W (8.30mm x 8.30mm)Surface Mount Land SizeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                               |                                    | Aluminum - Polymer Capacitors         |
| TypePolymerCapacitance820µFTolerance±20%Voltage - Rated2.5VESR (Equivalent Series Resistance)9 mOhmLifetime @ Temp.2000 Hrs @ 105°COperating Temperature-55°C ~ 105°CApplications-Ripple Current - Low Frequency269mA @ 120HzImpedance-Liad Spacing-Sisz / Dimension0.315° Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Package / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                      | Package                            | Radial, Can - SMD                     |
| Capacitance     820μF       Colorance     ±20%       Voltage - Rated     2.5V       ESR (Equivalent Series Resistance)     9 mOhm       Lifetime @ Temp.     2000 Hrs @ 105°C       Operating Temperature     -55°C ~ 105°C       Applications     -       Ripple Current - Low Frequency     269mA @ 120Hz       Impedance     -       Lead Spacing     -       Size / Dimension     0.315" Dia (8.00mm)       Height - Seated (Max)     0.327" L x 0.327" W (8.30mm x 8.30mm)       Mounting Type     Surface Mount       Package / Case     Radial, Can - SMD                                                                                                                                             | Series                             | OS-CON?, SVPC                         |
| Tolerance±20%Voltage - Rated2.5VESR (Equivalent Series Resistance)9 mOhmLifetime @ Temp.2000 Hrs @ 105°COperating Temperature-55°C ~ 105°CApplications-Ripple Current - Low Frequency269mA @ 120HzBipple Current - High Frequency5.38A @ 100kHzImpedance-Lead Spacing0.315" Dia (8.00mm)Size / Dimension0.472" (12.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land SizeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                             | Туре                               | Polymer                               |
| Voltage - Rated2.5VESR (Equivalent Series Resistance)9 mOhmLifetime @ Temp.2000 Hrs @ 105°COperating Temperature-55°C ~ 105°CApplications-Ripple Current - Low Frequency269mA @ 120HzBipple Current - High Frequency5.38A @ 100kHzImpedance-Lead Spacing-Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Package / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                 | Capacitance                        | 820µF                                 |
| ESR (Equivalent Series Resistance)9 mOhmLifetime @ Temp.2000 Hrs @ 105°COperating Temperature-55°C ~ 105°CApplications-Ripple Current - Low Frequency269mA @ 120HzBipple Current - High Frequency5.38A @ 100kHzImpedance-Lead Spacing-Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.327" L x 0.327" W (8.30mm x 8.30mm)Surface Mount Land SizeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                       | Tolerance                          | ±20%                                  |
| Lifetime @ Temp.2000 Hrs @ 105°COperating Temperature-55°C ~ 105°CApplications-Ripple Current - Low Frequency269mA @ 120HzBipple Current - High Frequency5.38A @ 100kHzImpedance-Lead Spacing-Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                                  | Voltage - Rated                    | 2.5V                                  |
| Operating Temperature-55°C ~ 105°CApplications-Ripple Current - Low Frequency269mA @ 120HzRipple Current - High Frequency5.38A @ 100kHzImpedance-Lead Spacing-Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                                                                  | ESR (Equivalent Series Resistance) | 9 mOhm                                |
| Applications-Ripple Current - Low Frequency269mA @ 120HzRipple Current - High Frequency5.38A @ 100kHzImpedance-Lead Spacing-Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                                                                                                    | Lifetime @ Temp.                   | 2000 Hrs @ 105°C                      |
| Ripple Current - Low Frequency269mA @ 120HzRipple Current - High Frequency5.38A @ 100kHzImpedance-Lead Spacing-Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                                                                                                                 | Operating Temperature              | $-55^{\circ}$ C ~ $105^{\circ}$ C     |
| Ripple Current - High Frequency5.38A @ 100kHzImpedance-Lead Spacing-Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                                                                                                                                                            | Applications                       | -                                     |
| Impedance-Lead Spacing-Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ripple Current - Low Frequency     | 269mA @ 120Hz                         |
| Lead Spacing-Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Ripple Current - High Frequency    | 5.38A @ 100kHz                        |
| Size / Dimension0.315" Dia (8.00mm)Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Impedance                          | -                                     |
| Height - Seated (Max)0.472" (12.00mm)Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Lead Spacing                       | -                                     |
| Surface Mount Land Size0.327" L x 0.327" W (8.30mm x 8.30mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Size / Dimension                   | 0.315" Dia (8.00mm)                   |
| Mounting Type Surface Mount   Package / Case Radial, Can - SMD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Height - Seated (Max)              | 0.472" (12.00mm)                      |
| Package / Case Radial, Can - SMD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Surface Mount Land Size            | 0.327" L x 0.327" W (8.30mm x 8.30mm) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Mounting Type                      | Surface Mount                         |
| Report errors?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Package / Case                     | Radial, Can - SMD                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    | Report erro                           |

#### **2R5SVPC820M Guarantees**



Quality Guarantees

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

# SERVICE UARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### 2R5SVPC820M Payment Methods



If you have any question about 2R5SVPC820M, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com