

# UUG1A103MRQ1ZD

## UUG1A103MRQ1ZD Information



For Reference Only

| Part Number  | UUG1A103MRQ1ZD                                      |  |
|--------------|---|--|
| Manufacturer | Nichicon  |  |
| Category     | Capacitors<br>Aluminum Electrolytic Capacitors      |  |
| Description  | CAP ALUM 10000UF 20% 10V SMD                        |  |
| Package      | Radial, Can - SMD                                   |  |
|              | For the pricing/inventory/lead time, please contact |  |
|              | us  |  |
|              | Website: https://www.heisener.com                   |  |
|              | E-mail: salesdept@heisener.com                      |  |



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### UUG1A103MRQ1ZD Specifications

| Manufacturer Nichicon   Category Capacitors   Aluminum Electrolytic Capacitors Radial, Can - SMD   Package Radial, Can - SMD   Series UUG   Capacitance 10000µF   Tolerance ±20%   Voltage - Rated 10V   ESR (Equivalent Series Resistance) -   Lifetime @ Temp. 2000 Hrs @ 85°C   Operating Temperature 40°C ~ 85°C   Polarization Polar   Applications General Purpose   Ripple Current - Low Frequency 2.53A @ 10kHz   Impedance -   Lead Spacing -   Size / Dimension 0.787" Dia (20.00mm)   Height - Seated (Max) 0.886" (22.50mm)   Surface Mount Land Size 0.831" L x 0.831" W (21.10mm x 21.10mm)   Mounting Type Surface Mount   Package / Case Radial, Can - SMD |                                    |   |
|--|------------------------------------|---|
| CategoryCapacitorsAluminum Electrolytic CapacitorsPackageRadial, Can - SMDPackageRadial, Can - SMDSeriesUUGCapacitance10000µFTolerance±20%Voltage - Rated10VESR (Equivalent Series Resistance)-Lifetime @ Temp.2000 Hrs @ 85°COperating Temperature40°C ~ 85°CPolarizationPolarApplicationsGeneral PurposeRipple Current - Low Frequency2.53A @ 10kHzRipple Current - High Frequency0.787° Dia (20.00mn)Size / Dimension0.787° Dia (20.00mn)Height - Seated (Max)0.886° (22.50mn)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Package / CaseRadial, Can - SMD   | Manufacturer Part Number           | UUG1A103MRQ1ZD                          |
| Auminum Electrolytic CapacitorsPackageRadial, Can - SMDSeriesUUGCapacitance10000µFTolerance±20%Voltage - Rated10VESR (Equivalent Series Resistance)-Lifetime @ Temp.2000 Hrs @ 85°COperating Temperature-40°C ~ 85°CPolarizationGeneral PurposeRipple Current - Low Frequency2.2A @ 120HzRipple Current - High FrequencySize / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Package / CaseRadial, Can - SMD   | Manufacturer                       | Nichicon                                |
| PackageRadial, Can - SMDSeriesUUGCapacitance10000µFTolerance±20%Voltage - Rated10VESR (Equivalent Series Resistance)-Lifetime @ Temp.2000 Hrs @ 85°COperating Temperature-40°C ~ 85°CPolarizationGeneral PurposeApplicationsGeneral PurposeRipple Current - High Frequency2.53A @ 10kHzImpedance-Lead Spacing-Size / Dimension0.787" Dia (20.00mm)Strface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Package / CaseRadial, Can - SMD  | Category                           | Capacitors                              |
| SeriesUUGCapacitance10000µFTolerance±20%Voltage - Rated10VESR (Equivalent Series Resistance)-Lifetime @ Temp.2000 Hrs @ 85°COperating Temperature40°C ~ 85°CPolarizationPolarApplicationsGeneral PurposeRipple Current - Low Frequency2.23 @ 120HzRipple Current - High Frequency0.787" Dia (20.00mm)Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Package / CaseRadial, Can - SMD  |                                    | Aluminum Electrolytic Capacitors        |
| Capacitance10000µFTolerance±20%Voltage - Rated10VESR (Equivalent Series Resistance)-Lifetime @ Temp.2000 Hrs @ 85°COperating Temperature40°C ~ 85°CPolarizationPolarApplicationsGeneral PurposeRipple Current - Low Frequency2.2A @ 120HzRipple Current - High Frequency-Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Package / CaseRadial, Can - SMD  | Package                            | Radial, Can - SMD                       |
| Tolerance±20%Voltage - Rated10VESR (Equivalent Series Resistance)-Lifetime @ Temp.2000 Hrs @ 85°COperating Temperature-40°C ~ 85°CPolarizationPolarApplicationsGeneral PurposeRipple Current - Low Frequency2.2A @ 120HzRipple Current - High Frequency-Lead Spacing-Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Package / CaseRadial, Can - SMD  | Series                             | UUG                                     |
| Voltage - Rated10VESR (Equivalent Series Resistance)-Lifetime @ Temp.2000 Hrs @ 85°COperating Temperature-40°C ~ 85°CPolarizationPolarApplicationsGeneral PurposeRipple Current - Low Frequency2.2A @ 120HzLided Spacing-Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Package / CaseRadial, Can - SMD  | Capacitance                        | 10000µF                                 |
| EXR (Equivalent Series Resistance)-Lifetime @ Temp.2000 Hrs @ 85°COperating Temperature-40°C ~ 85°CPolarizationPolarApplicationsGeneral PurposeRipple Current - Low Frequency2.2A @ 120HzRipple Current - High Frequency2.53A @ 10kHzImpedance-Lead Spacing0.787" Dia (20.00mm)Size / Dimension0.886" (22.50mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Package / CaseRadial, Can - SMD  | Tolerance                          | $\pm 20\%$                              |
| Lifetime @ Temp.2000 Hrs @ 85°COperating Temperature-40°C ~ 85°CPolarizationPolarApplicationsGeneral PurposeRipple Current - Low Frequency2.2A @ 120HzRipple Current - High Frequency2.53A @ 10kHzImpedance-Lead Spacing0.787" Dia (20.00mm)Size / Dimension0.886" (22.50mm)Height - Seated (Max)0.881" L x 0.831" W (21.10mm x 21.10mm)Surface Mount Land SizeSurface MountPackage / CaseRadial, Can - SMD  | Voltage - Rated                    | 10V                                     |
| Operating Temperature -40°C ~ 85°C   Polarization Polar   Applications General Purpose   Ripple Current - Low Frequency 2.2A @ 120Hz   Ripple Current - High Frequency 2.53A @ 10kHz   Impedance -   Lead Spacing -   Size / Dimension 0.787" Dia (20.00mm)   Height - Seated (Max) 0.886" (22.50mm)   Surface Mount Land Size 0.831" L x 0.831" W (21.10mm x 21.10mm)   Package / Case Radial, Can - SMD  | ESR (Equivalent Series Resistance) | -                                       |
| PolarizationPolarApplicationsGeneral PurposeRipple Current - Low Frequency2.2A @ 120HzRipple Current - High Frequency2.53A @ 10kHzImpedance-Lead Spacing-Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD  | Lifetime @ Temp.                   | 2000 Hrs @ 85°C                         |
| ApplicationsGeneral PurposeRipple Current - Low Frequency2.2A @ 120HzRipple Current - High Frequency2.53A @ 10kHzImpedance-Lead Spacing-Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD   | Operating Temperature              | -40°C ~ 85°C                            |
| Ripple Current - Low Frequency2.2A @ 120HzRipple Current - High Frequency2.53A @ 10kHzImpedance-Lead Spacing-Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD  | Polarization                       | Polar                                   |
| Ripple Current - High Frequency2.53A @ 10kHzImpedance-Lead Spacing-Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD  | Applications                       | General Purpose                         |
| In or of a bitImpedance-Lead Spacing-Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD  | Ripple Current - Low Frequency     | 2.2A @ 120Hz                            |
| Lead Spacing-Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD  | Ripple Current - High Frequency    | 2.53A @ 10kHz                           |
| Size / Dimension0.787" Dia (20.00mm)Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD   | Impedance                          | -                                       |
| Height - Seated (Max)0.886" (22.50mm)Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD   | Lead Spacing                       | -                                       |
| Surface Mount Land Size0.831" L x 0.831" W (21.10mm x 21.10mm)Mounting TypeSurface MountPackage / CaseRadial, Can - SMD  | Size / Dimension                   | 0.787" Dia (20.00mm)                    |
| Mounting TypeSurface MountPackage / CaseRadial, Can - SMD  | Height - Seated (Max)              | 0.886" (22.50mm)                        |
| Package / Case Radial, Can - SMD   | Surface Mount Land Size            | 0.831" L x 0.831" W (21.10mm x 21.10mm) |
| -  | Mounting Type                      | Surface Mount                           |
|  | Package / Case                     | Radial, Can - SMD                       |
| Report errors?   |                                    | Report errors                           |

#### UUG1A103MRQ1ZD 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 Guarantees**

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

#### UUG1A103MRQ1ZD Payment Methods





If you have any question about UUG1A103MRQ1ZD, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com