

## CMF659K1000JNEA11

#### CMF659K1000JNEA11 Information



#### **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.



### CMF659K1000JNEA11 Specifications

Manufacturer Part Number CMF659K1000JNEA11   Manufacturer Vishay Dale   Category Resistors   Through Hole Resistors Through Hole Resistors   Package Axial   Series CMF   Resistance 9.1 kOhms   Tolerance ±5%   Power (Watts) 1.5W   Composition Metal Film   Features Flame Retardant Coating, Moisture Resistant, Safety   Operating Temperature 4xial   Supplier Device Package Axial   Size / Dimension 0.180° Dia x 0.562° L (4.57mm x 14.27mm)   Height - Seated (Max) -   Number of Terminations 2   Failure Rate -		
CategoryResistorsPackageAxialPackageCMFResistance9.1 kOhmsTolerance±5%Power (Watts)1.5WCompositionMetal FilmFeaturesFlame Retardant Coating, Moisture Resistant, SafetyOperating Temperature-55°C ~ 175°CPackage / CaseAxialSize / Dimension0.180° Dia x 0.562° L (4.57mm x 14.27mm)Height - Seated (Max)-Anial-Stare Retard function of the seated of the se	Manufacturer Part Number	CMF659K1000JNEA11
Through Hole ResistorsPackageAxialSeriesCMFResistance9.1 kOhmsTolerance±5%Power (Wats)1.5WCompositionMetal FilmFeaturesFlame Retardant Coating, Moisture Resistant, SafetyTemperature Coefficient±200ppm/°COperating Temperature-55°C ~ 175°CPackage / CaseAxialSupplier Device PackageAxialSize / Dimension0.180° Dia x 0.562" L (4.57mm x 14.27mm)Height - Seated (Max)2Failure Rate-	Manufacturer	Vishay Dale
PackageAxiaSeriesCMFResistance9.1 kOhmsTolerance±5%Power (Wats)1.5WCompositionMetal FilmFeaturesFlame Retardant Coating, Moisture Resistant, SafetyOperating Temperature±5°°C ~ 175°CPackage / CaseAxialSupplier Device PackageAxialSize / Dimension0.180° Dia x 0.562° L (4.57mm x 14.27mm)Height - Seated (Max)2Failure Rate-Failure Rate2	Category	Resistors
SeriesCMFResistance9.1 kOhmsTolerance±5%Power (Watts)1.5WCompositionMetal FilmFeaturesFlame Retardant Coating, Moisture Resistant, SafetyOperating Temperature±200ppm/°COperating TemperatureAxialSupplier Device PackageAxialSize / Dimension0.180° Dia x 0.562° L (4.57mm x 14.27mm)Height - Seated (Max)2Aumber of Terminations2Failure Rate-		Through Hole Resistors
Resistance9.1 kOhmsTolerance±5%Power (Watts)1.5WCompositionMetal FilmFeaturesFlame Retardant Coating, Moisture Resistant, SafetyTemperature Coefficient±200pm/°COperating Temperature-55°C ~ 175°CPackage / CaseAxialSupplier Device Package0.180° Dia x 0.562" L (4.57mm x 14.27mm)Height - Seated (Max)-Aumber of Terminations2Failure Rate-Stafe Area-Stafe Area-Staf	Package	Axial
Tolerance±5%Power (Watts)1.5WCompositionMetal FilmFeaturesFame Retardant Coating, Moisture Resistant, SafetyTemperature Coefficient±200pm/°COperating Temperature-55°C ~ 175°CPackage / CaseAxialSupplier Device Package0.180° Dia x 0.562° L (4.57mm x 14.27mm)Height - Seated (Max)-Aumber of Terminations2Failure Rate-Other Seated (Max)-Composition-Composit	Series	CMF
Power (Watts)1.5WCompositionMetal FilmFeaturesFlame Retardant Coating, Moisture Resistant, SafetyTemperature Coefficient±200pm/°COperating Temperature-55°C ~ 175°CPackage / CaseAxialSupplier Device PackageAxialSize / Dimension0.180° Dia x 0.562" L (4.57mm x 14.27mm)Height - Seated (Max)-Failure Rate2	Resistance	9.1 kOhms
CompositionMetal FilmFeaturesFlame Retardant Coating, Moisture Resistant, SafetyTemperature Coefficient±200pm/°COperating Temperature-55°C ~ 175°CPackage / CaseAxialSupplier Device PackageAxialSize / Dimension0.180" Dia x 0.562" L (4.57mm x 14.27mm)Height - Seated (Max)-Number of Terminations2Failure Rate-	Tolerance	$\pm 5\%$
FeaturesFlame Retardant Coating, Moisture Resistant, SafetyTemperature Coefficient $\pm 200 ppm/^{\circ}C$ Operating Temperature $-55^{\circ}C \sim 175^{\circ}C$ Package / CaseAxialSupplier Device PackageAxialSize / Dimension0.180" Dia x 0.562" L (4.57mm x 14.27mm)Height - Seated (Max)2Number of Terminations2Failure Rate-	Power (Watts)	1.5W
Temperature Coefficient±200ppm/°COperating Temperature-55°C ~ 175°CPackage / CaseAxialSupplier Device PackageAxialSize / Dimension0.180" Dia x 0.562" L (4.57mm x 14.27mm)Height - Seated (Max)-Number of Terminations2Failure Rate-	Composition	Metal Film
Operating Temperature-55°C ~ 175°CPackage / CaseAxialSupplier Device PackageAxialSize / Dimension0.180" Dia x 0.562" L (4.57mm x 14.27mm)Height - Seated (Max)-Number of Terminations2Failure Rate-	Features	Flame Retardant Coating, Moisture Resistant, Safety
Package / CaseAxialSupplier Device PackageAxialSize / Dimension0.180" Dia x 0.562" L (4.57mm x 14.27mm)Height - Seated (Max)-Number of Terminations2Failure Rate-	Temperature Coefficient	±200ppm/°C
Supplier Device PackageAxialSize / Dimension0.180" Dia x 0.562" L (4.57mm x 14.27mm)Height - Seated (Max)-Number of Terminations2Failure Rate-	Operating Temperature	-55°C ~ 175°C
Number of Terminations0.180" Dia x 0.562" L (4.57mm x 14.27mm)Failure Rate-Output-State- <td>Package / Case</td> <td>Axial</td>	Package / Case	Axial
Height - Seated (Max)-Number of Terminations2Failure Rate-	Supplier Device Package	Axial
Number of Terminations2Failure Rate-	Size / Dimension	0.180" Dia x 0.562" L (4.57mm x 14.27mm)
Failure Rate -	Height - Seated (Max)	-
	Number of Terminations	2
Report errors?	Failure Rate	-
		Report errors?

#### CMF659K1000JNEA11 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 EUARANTEE

#### **Service Guarantees**

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

#### CMF659K1000JNEA11 Payment Methods



If you have any question about CMF659K1000JNEA11, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com