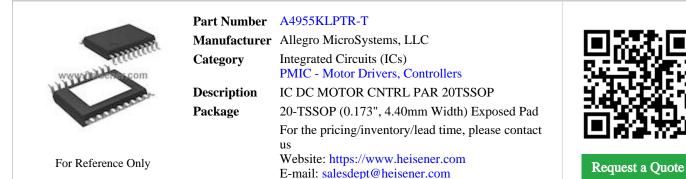


# A4955KLPTR-T

# **A4955KLPTR-T 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.



# A4955KLPTR-T Specifications

ManufacturerAllegro MicroSystems, LLCCategoryIntegrated Circuits (ICs)PMIC - Motor Drivers, ControllersPackage20-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesAutomotive, AEC-Q100Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionController - Commutation, Direction ManagementOutput ConfigurationPre-Driver - Half Bridge (2)InterfaceParallelTechnologyNMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad		
CategoryIntegrated Circuits (ICs)PMIC - Motor Drivers, ControllersPackage20-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesAutomotive, AEC-Q100Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionController - Commutation, Direction ManagementOutput ConfigurationPre-Driver - Half Bridge (2)InterfaceParallelTechnologyMMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Manufacturer Part Number	A4955KLPTR-T
PMIC - Motor Drivers, ControllersPackage20-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesAutomotive, AEC-Q100Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionController - Commutation, Direction ManagementOutput ConfigurationPre-Driver - Half Bridge (2)InterfaceParallelTechnologyNMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Manufacturer	Allegro MicroSystems, LLC
Package20-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesAutomotive, AEC-Q100Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionController - Commutation, Direction ManagementOutput ConfigurationPre-Driver - Half Bridge (2)InterfaceParallelTechnologyNMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Category	Integrated Circuits (ICs)
SeriesAutomotive, AEC-Q100Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionController - Commutation, Direction ManagementOutput ConfigurationPre-Driver - Half Bridge (2)InterfaceParallelTechnologyNMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP		PMIC - Motor Drivers, Controllers
Motor Type - Stepper-Motor Type - AC, DCBrushed DCFunctionController - Commutation, Direction ManagementOutput ConfigurationPre-Driver - Half Bridge (2)InterfaceParallelTechnologyNMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Package	20-TSSOP (0.173", 4.40mm Width) Exposed Pad
Motor Type - AC, DCBrushed DCFunctionController - Commutation, Direction ManagementOutput ConfigurationPre-Driver - Half Bridge (2)InterfaceParallelTechnologyNMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Series	Automotive, AEC-Q100
FunctionController - Commutation, Direction ManagementOutput ConfigurationPre-Driver - Half Bridge (2)InterfaceParallelTechnologyNMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Motor Type - Stepper	-
Output ConfigurationPre-Driver - Half Bridge (2)InterfaceParallelTechnologyNMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Motor Type - AC, DC	Brushed DC
InterfaceParallelTechnologyNMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Function	Controller - Commutation, Direction Management
TechnologyNMOSStep Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Output Configuration	Pre-Driver - Half Bridge (2)
Step Resolution-ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Interface	Parallel
ApplicationsGeneral PurposeCurrent - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Technology	NMOS
Current - Output-Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Step Resolution	-
Voltage - Supply5.5 V ~ 50 VVoltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Applications	General Purpose
Voltage - Load-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Current - Output	-
Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Voltage - Supply	5.5 V ~ 50 V
Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Voltage - Load	-
Package / Case20-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package20-TSSOP-EP	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 20-TSSOP-EP	Mounting Type	Surface Mount
	Package / Case	20-TSSOP (0.173", 4.40mm Width) Exposed Pad
Report errors?	Supplier Device Package	20-TSSOP-EP
		Report errors?

#### A4955KLPTR-T 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

#### **Service Guarantees**

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

## A4955KLPTR-T Payment Methods





If you have any question about A4955KLPTR-T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com