

MCP4531T-103E/MF

MCP4531T-103E/MF Information



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MCP4531T-103E/MF Specifications

ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Data Acquisition - Digital PotentiometersPackage8-VDFN Exposed PadSeries-TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps10kResistance (Ohms)10kInterfaceICCMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature+40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)		
CategoryIntegrated Circuits (ICs)Data Acquisition - Digital PotentiometersPackage8-VDFN Exposed PadSeries-TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps129Resistance (Ohms)10kInterfaceVolatileVolatige - Supply.18 V ~ 5.5 VFeaturesSelectable AddressTolerance.20%Tolerance.50 ppm/°CResistance - Wiper (Ohms) (Typ).50 ppm/°CPotating Temperature.40°C ~ 125°CPackage / Case.8-VDFN Exposed PadSupplier Device Package.8-DFN-EP (3x3)	Manufacturer Part Number	MCP4531T-103E/MF
Data Acquisition - Digital PotentiometersPackage8-VDFN Exposed PadSeries-TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps129Resistance (Ohms)10kInterfaceI2CMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Resistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-DFN-EP (3x3)	Manufacturer	Microchip Technology
Package8-VDFN Exposed PadSeries-TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps19Resistance (Ohms)10kInterfaceI2CMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Resistance - Wiper (Ohms) (Typ)55 Opm/°CResistance - Wiper (Ohms) (Typ)50 ppm/°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Category	Integrated Circuits (ICs)
Series-TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps129Resistance (Ohms)10kInterfaceI2CMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-DFN-EP (3x3)		Data Acquisition - Digital Potentiometers
TaperLinearConfigurationPotentiometerNumber of Circuits1Number of Taps129Resistance (Ohms)10kInterfaceI2CMemory TypeVolatileVoltage - SupplySelectable AddressTolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-DFN-EP (3x3)	Package	8-VDFN Exposed Pad
ConfigurationPotentiometerNumber of Circuits1Number of Taps129Resistance (Ohms)10kInterface12CMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Series	-
Number of Circuits1Number of Taps129Resistance (Ohms)10kInterface12CMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Taper	Linear
Number of Taps129Resistance (Ohms)10kInterface12CMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Resistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Configuration	Potentiometer
Resistance (Ohms)10kInterface12CMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature+40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Number of Circuits	1
InterfaceI2CMemory TypeVolatileVoltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Number of Taps	129
Memory TypeVolatileVoltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Resistance (Ohms)	10k
Voltage - Supply1.8 V ~ 5.5 VFeaturesSelectable AddressTolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Interface	I2C
FeaturesSelectable AddressTolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Memory Type	Volatile
Tolerance±20%Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Voltage - Supply	1.8 V ~ 5.5 V
Temperature Coefficient (Typ)150 ppm/°CResistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Features	Selectable Address
Resistance - Wiper (Ohms) (Typ)75Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Tolerance	±20%
Operating Temperature-40°C ~ 125°CPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Temperature Coefficient (Typ)	150 ppm/°C
Package / Case8-VDFN Exposed PadSupplier Device Package8-DFN-EP (3x3)	Resistance - Wiper (Ohms) (Typ)	75
Supplier Device Package8-DFN-EP (3x3)	Operating Temperature	-40°C ~ 125°C
	Package / Case	8-VDFN Exposed Pad
Report errors?	Supplier Device Package	8-DFN-EP (3x3)
		Report errors?

MCP4531T-103E/MF 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.

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