



MUR305S M6G Information

Heisener.com

Part Number MUR305S M6G
Manufacturer TSC America Inc.

Category Discrete Semiconductor Products

Diodes - Rectifiers - Single

Description DIODE, ULTRA FAST, 3A, 50V, 25NS

Package DO-214AB, SMC

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com
E-mail: salesdept@heisener.com



Request a Quote

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.









MUR305S M6G Specifications

Manufacturer Part NumberMUR305S M6GManufacturerTSC America Inc.CategoryDiscrete Semiconductor ProductsBackageDO-214AB, SMCSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If875mV @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)25nsCurrent - Reverse Leakage @ Vr5μA @ 50VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB, (SMC)Operating Temperature - Junction-55°C ~ 175°CReport errors?	1720 Tel vels 1720 o specifications	
CategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageDO-214AB, SMCSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If875mV @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)25nsCurrent - Reverse Leakage @ Vr5μA @ 50VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB, (SMC)Operating Temperature - Junction-55°C ~ 175°C	Manufacturer Part Number	MUR305S M6G
PackageDiodes - Rectifiers - SingleSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If875mV @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)25nsCurrent - Reverse Leakage @ Vr5μA @ 50VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB, (SMC)Operating Temperature - Junction-55°C ~ 175°C	Manufacturer	TSC America Inc.
PackageDO-214AB, SMCSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If875mV @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)25nsCurrent - Reverse Leakage @ Vr5μA @ 50VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB, (SMC)Operating Temperature - Junction-55°C ~ 175°C	Category	Discrete Semiconductor Products
Series-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If875mV @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)25nsCurrent - Reverse Leakage @ Vr5μA @ 50VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB, (SMC)Operating Temperature - Junction-55°C ~ 175°C		Diodes - Rectifiers - Single
Diode TypeStandardVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If875mV @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)25nsCurrent - Reverse Leakage @ Vr5μA @ 50VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB, (SMC)Operating Temperature - Junction-55°C ~ 175°C	Package	DO-214AB, SMC
Voltage - DC Reverse (Vr) (Max) Current - Average Rectified (Io) 3A Voltage - Forward (Vf) (Max) @ If 875mV @ 3A Speed Fast Recovery = < 500ns, > 200mA (Io) Reverse Recovery Time (trr) 25ns Current - Reverse Leakage @ Vr 5μA @ 50V Capacitance @ Vr, F Mounting Type Surface Mount Package / Case DO-214AB, SMC Supplier Device Package DO-214AB, (SMC) Operating Temperature - Junction 50V	Series	-
Current - Average Rectified (Io) Voltage - Forward (Vf) (Max) @ If 875mV @ 3A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) 25ns Current - Reverse Leakage @ Vr Capacitance @ Vr, F Mounting Type Surface Mount Package / Case DO-214AB, SMC Supplier Device Package DO-214AB, (SMC) Operating Temperature - Junction 3A 875mV @ 3A 875mV @ 3A Fast Recovery =< 500ns, > 200mA (Io) 25ns 5µA @ 50V 5µA @ 50V Capacitance @ Vr, F DO-214AB, SMC	Diode Type	Standard
Voltage - Forward (Vf) (Max) @ If875mV @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)25nsCurrent - Reverse Leakage @ Vr5μA @ 50VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB, (SMC)Operating Temperature - Junction-55°C ~ 175°C	Voltage - DC Reverse (Vr) (Max)	50V
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)25nsCurrent - Reverse Leakage @ Vr5μA @ 50VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB, (SMC)Operating Temperature - Junction-55°C ~ 175°C	Current - Average Rectified (Io)	3A
Reverse Recovery Time (trr) 25ns Current - Reverse Leakage @ Vr 5 μ A @ 50V Capacitance @ Vr, F - Mounting Type Surface Mount Package / Case DO-214AB, SMC Supplier Device Package DO-214AB, (SMC) Operating Temperature - Junction -55°C ~ 175°C	Voltage - Forward (Vf) (Max) @ If	875mV @ 3A
Current - Reverse Leakage @ Vr $5\mu A$ @ $50V$ Capacitance @ Vr, F - Mounting Type Surface Mount Package / Case DO-214AB, SMC Supplier Device Package DO-214AB, (SMC) Operating Temperature - Junction $-55^{\circ}C \sim 175^{\circ}C$	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Capacitance @ Vr, F Mounting Type Surface Mount Package / Case DO-214AB, SMC Supplier Device Package DO-214AB, (SMC) Operating Temperature - Junction -55°C ~ 175°C	Reverse Recovery Time (trr)	25ns
Mounting Type Surface Mount Package / Case DO-214AB, SMC Supplier Device Package DO-214AB, (SMC) Operating Temperature - Junction -55°C ~ 175°C	Current - Reverse Leakage @ Vr	5μA @ 50V
Package / Case DO-214AB, SMC Supplier Device Package DO-214AB, (SMC) Operating Temperature - Junction -55°C ~ 175°C	Capacitance @ Vr, F	-
Supplier Device Package DO-214AB, (SMC) Operating Temperature - Junction -55°C ~ 175°C	Mounting Type	Surface Mount
Operating Temperature - Junction -55°C ~ 175°C	Package / Case	DO-214AB, SMC
	Supplier Device Package	DO-214AB, (SMC)
Report errors?	Operating Temperature - Junction	-55°C ~ 175°C
		Report errors?

MUR305S M6G 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.

MUR305S M6G Payment Methods





















MUR305S M6G Shipping Methods













If you have any question about MUR305S M6G, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com