

IDM05G120C5XTMA1

IDM05G120C5XTMA1 Information



t Number	IDM05G120C5XTMA1	
nufacturer	Infineon Technologies	
egory	Discrete Semiconductor Products Diodes - Rectifiers - Single	
cription	DIODE SCHOTTKY 1200V 5A TO252-2	
kage	TO-252-3, DPak (2 Leads + Tab), SC-63	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	
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IDM05G120C5XTMA1 Specifications

Manufacturer Part NumberIDM05G120C5XTMA1ManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesthinQ!?Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)1200VCurrent - Average Rectified (Io)5A (DC)Voltage - Forward (Vf) (Max) @ If1.8V @ 5ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)OnsCurrent - Reverse Leakage @ Vr31µA @ 1200VCapacitance @ Vr, FSurface MountMounting TypeSurface MountPackage / CaseGG-T0252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-T0252-2Operating Temperature - Junction-55°C ~ 175°C		
CategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesthinQ!?Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)1200VCurrent - Average Rectified (Io)5A (DC)Voltage - Forward (Vf) (Max) @ If1.8V @ 5ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr31µA @ 1200VCurrent - Reverse Leakage @ VrSolipF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-T0252-2Operating Temperature - Junction-55°C ~ 175°C	Manufacturer Part Number	IDM05G120C5XTMA1
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PackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesthinQ!?Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)1200VCurrent - Average Rectified (Io)5A (DC)Voltage - Forward (Vf) (Max) @ If1.8V @ 5ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr33µA @ 1200VCapacitance @ Vr, F301pF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-T0252-2Operating Temperature - Junction-55°C ~ 175°C	Category	Discrete Semiconductor Products
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Current - Average Rectified (Io) $5A$ (DC)Voltage - Forward (Vf) (Max) @ If $1.8V @ 5A$ SpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)OnsCurrent - Reverse Leakage @ Vr $33\mu A @ 1200V$ Capacitance @ Vr, F $301pF @ 1V, 1MHz$ Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-TO252-2Operating Temperature - Junction -55° C ~ 175°C	Diode Type	Silicon Carbide Schottky
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Speed No Recovery Time > 500mA (Io) Reverse Recovery Time (trr) 0ns Current - Reverse Leakage @ Vr 33µA @ 1200V Capacitance @ Vr, F 301pF @ 1V, 1MHz Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package PG-TO252-2 Operating Temperature - Junction -55°C ~ 175°C	Current - Average Rectified (Io)	5A (DC)
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Current - Reverse Leakage @ Vr33µA @ 1200VCapacitance @ Vr, F301pF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-TO252-2Operating Temperature - Junction-55°C ~ 175°C	Speed	No Recovery Time > 500mA (Io)
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Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-TO252-2Operating Temperature - Junction-55°C ~ 175°C	Capacitance @ Vr, F	301pF @ 1V, 1MHz
Supplier Device PackagePG-TO252-2Operating Temperature - Junction-55°C ~ 175°C	Mounting Type	Surface Mount
Operating Temperature - Junction $-55^{\circ}C \sim 175^{\circ}C$	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
	Supplier Device Package	PG-TO252-2
Report errors?	Operating Temperature - Junction	-55°C ~ 175°C
		Report errors?

IDM05G120C5XTMA1 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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IDM05G120C5XTMA1 Shipping Methods



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