

IDD05SG60CXTMA1

IDD05SG60CXTMA1 Information



For Reference Only

Part Number IDD05SG60CXTMA1

Manufacturer Infineon Technologies

Category Discrete Semiconductor Products
Diodes - Rectifiers - Single

Description DIODE SCHOTTKY 600V 5A TO252-3 **Package** 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



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.









IDD05SG60CXTMA1 Specifications

Manufacturer Part NumberIDD05SG60CXTMA1ManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesthinQ!?Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)600VCurrent - Average Rectified (Io)5A (DC)Voltage - Forward (Vf) (Max) @ If2.3V @ 5ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr30μA @ 600VCapacitance @ Vr, F110pF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-T0252-3Operating Temperature - Junction-55°C ~ 175°C		
Discrete Semiconductor Products Diodes - Rectifiers - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series thinQ!? Diode Type Silicon Carbide Schottky Voltage - DC Reverse (Vr) (Max) 600V Current - Average Rectified (Io) Voltage - Forward (Vf) (Max) @ If Speed No Recovery Time > 500mA (Io) Reverse Recovery Time (trr) Ons Current - Reverse Leakage @ Vr 30µA @ 600V Capacitance @ Vr, F 110pF @ 1V, 1MHz Mounting Type Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package Operating Temperature - Junction Discrete Semiconductor Products Diodes - Rectifiers - Single TO-252-3, DPak (2 Leads + Tab), SC-63 PG-TO252-3 Operating Temperature - Junction Discrete Semiconductor Products Diodes - Rectifiers - Single To-252-3, DPak (2 Leads + Tab), SC-63 PG-TO252-3 Operating Temperature - Junction	Manufacturer Part Number	IDD05SG60CXTMA1
Diodes - Rectifiers - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesthinQ!?Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)600VCurrent - Average Rectified (Io)5A (DC)Voltage - Forward (Vf) (Max) @ If2.3V @ 5ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr30μA @ 600VCapacitance @ Vr, F110pF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-TO252-3Operating Temperature - Junction-55°C ~ 175°C	Manufacturer	Infineon Technologies
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series thinQ!? Diode Type Silicon Carbide Schottky Voltage - DC Reverse (Vr) (Max) Current - Average Rectified (Io) Voltage - Forward (Vf) (Max) @ If 2.3V @ 5A Speed No Recovery Time > 500mA (Io) Reverse Recovery Time (trr) Ons Current - Reverse Leakage @ Vr Capacitance @ Vr, F 110pF @ 1V, 1MHz Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package Operating Temperature - Junction -55°C ~ 175°C	Category	Discrete Semiconductor Products
SeriesthinQ!?Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)600VCurrent - Average Rectified (Io)5A (DC)Voltage - Forward (Vf) (Max) @ If2.3V @ 5ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr30μA @ 600VCapacitance @ Vr, F110pF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-TO252-3Operating Temperature - Junction-55°C ~ 175°C		Diodes - Rectifiers - Single
Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)600VCurrent - Average Rectified (Io)5A (DC)Voltage - Forward (Vf) (Max) @ If2.3V @ 5ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr30μA @ 600VCapacitance @ Vr, F110pF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-TO252-3Operating Temperature - Junction-55°C ~ 175°C	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Voltage - DC Reverse (Vr) (Max)600VCurrent - Average Rectified (Io)5A (DC)Voltage - Forward (Vf) (Max) @ If2.3V @ 5ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr30μA @ 600VCapacitance @ Vr, F110pF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-TO252-3Operating Temperature - Junction-55°C ~ 175°C	Series	thinQ!?
Current - Average Rectified (Io) Voltage - Forward (Vf) (Max) @ If Speed No Recovery Time > 500mA (Io) Reverse Recovery Time (trr) Ons Current - Reverse Leakage @ Vr Capacitance @ Vr, F 110pF @ 1V, 1MHz Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package Operating Temperature - Junction 5A (DC) 2.3V @ 5A No Recovery Time > 500mA (Io) Ons Suplace Mouv 110pF @ 1V, 1MHz TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package Operating Temperature - Junction	Diode Type	Silicon Carbide Schottky
Voltage - Forward (Vf) (Max) @ If2.3V @ 5ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr30μA @ 600VCapacitance @ Vr, F110pF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-TO252-3Operating Temperature - Junction-55°C ~ 175°C	Voltage - DC Reverse (Vr) (Max)	600V
SpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr30μA @ 600VCapacitance @ Vr, F110pF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-TO252-3Operating Temperature - Junction-55°C ~ 175°C	Current - Average Rectified (Io)	5A (DC)
Reverse Recovery Time (trr) Ons Current - Reverse Leakage @ Vr Suplant	Voltage - Forward (Vf) (Max) @ If	2.3V @ 5A
Current - Reverse Leakage @ Vr30μA @ 600VCapacitance @ Vr, F110pF @ 1V, 1MHzMounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackagePG-TO252-3Operating Temperature - Junction-55°C ~ 175°C	Speed	No Recovery Time > 500mA (Io)
Capacitance @ Vr, F 110pF @ 1V, 1MHz Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package PG-TO252-3 Operating Temperature - Junction -55°C ~ 175°C	Reverse Recovery Time (trr)	Ons
Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package PG-TO252-3 Operating Temperature - Junction -55°C ~ 175°C	Current - Reverse Leakage @ Vr	30μA @ 600V
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package PG-TO252-3 Operating Temperature - Junction -55°C ~ 175°C	Capacitance @ Vr, F	110pF @ 1V, 1MHz
Supplier Device Package PG-TO252-3 Operating Temperature - Junction $-55^{\circ}\text{C} \sim 175^{\circ}\text{C}$	Mounting Type	Surface Mount
Operating Temperature - Junction -55°C ~ 175°C	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
	Supplier Device Package	PG-TO252-3
Report errors?	Operating Temperature - Junction	-55°C ~ 175°C
•		Report errors?

IDD05SG60CXTMA1 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.

IDD05SG60CXTMA1 Payment Methods



















IDD05SG60CXTMA1 Shipping Methods













If you have any question about IDD05SG60CXTMA1, please do not hesitate to contact us!

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