

# IDH02G65C5XKSA1

#### IDH02G65C5XKSA1 Information



For Reference Only

Part Number IDH02G65C5XKSA1

Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Diodes - Rectifiers - Single

**Description** DIODE SCHOTTKY 650V 2A TO220-2

Package TO-220-2

For the pricing/inventory/lead time, please contact

us

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



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# IDH02G65C5XKSA1 Specifications

Manufacturer Category Discrete Semiconductor Products Diodes - Rectifiers - Single Package TO-220-2 Series thinQ!? Diode Type Silicon Carbide Schottky Voltage - DC Reverse (Vr) (Max) 650V Current - Average Rectified (Io) 2A (DC) Voltage - Forward (Vf) (Max) @ If 1.7V @ 2A Speed No Recovery Time > 500mA (Io) Reverse Recovery Time (trr) Ons Current - Reverse Leakage @ Vr Capacitance @ Vr, F 70pF @ 1V, 1MHz Mounting Type Through Hole Package / Case Supplier Device Package Operating Temperature - Junction  Infineon Technologies Discrete Semiconductor Products Diodes - Rectifiers - Single To-220-2 Derating Temperature - Junction  Infineon Technologies Dioscrete Semiconductor Products Diodes - Rectifiers - Single Diodes - Rectifiers - Si		
CategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-220-2SeriesthinQ!?Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)650VCurrent - Average Rectified (Io)2A (DC)Voltage - Forward (Vf) (Max) @ If1.7V @ 2ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr35μA @ 650VCapacitance @ Vr, F70pF @ 1V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackagePG-TO220-2Operating Temperature - Junction-55°C ~ 175°C	Manufacturer Part Number	IDH02G65C5XKSA1
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Voltage - Forward (Vf) (Max) @ If  1.7V @ 2A  Speed  No Recovery Time > 500mA (Io)  Reverse Recovery Time (trr)  Ons  Current - Reverse Leakage @ Vr  35µA @ 650V  Capacitance @ Vr, F  70pF @ 1V, 1MHz  Mounting Type  Through Hole  Package / Case  TO-220-2  Supplier Device Package  Operating Temperature - Junction  1.7V @ 2A  1.7V	Voltage - DC Reverse (Vr) (Max)	650V
Speed No Recovery Time > 500mA (Io)  Reverse Recovery Time (trr) Ons  Current - Reverse Leakage @ Vr $35\mu A$ @ $650V$ Capacitance @ Vr, F $70pF$ @ $1V$ , $1MHz$ Mounting Type Through Hole  Package / Case $TO-220-2$ Supplier Device Package PG-TO220-2  Operating Temperature - Junction $-55^{\circ}C \sim 175^{\circ}C$	Current - Average Rectified (Io)	2A (DC)
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Package / Case TO-220-2 Supplier Device Package PG-TO220-2 Operating Temperature - Junction TO-220-2 -55°C ~ 175°C	Capacitance @ Vr, F	70pF @ 1V, 1MHz
Supplier Device Package PG-TO220-2 Operating Temperature - Junction -55°C ~ 175°C	Mounting Type	Through Hole
Operating Temperature - Junction $-55^{\circ}\text{C} \sim 175^{\circ}\text{C}$	Package / Case	TO-220-2
	Supplier Device Package	PG-TO220-2
	Operating Temperature - Junction	-55°C ~ 175°C
Report errors?		Report errors?

#### IDH02G65C5XKSA1 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.

### IDH02G65C5XKSA1 Payment Methods



















# IDH02G65C5XKSA1 Shipping Methods













If you have any question about IDH02G65C5XKSA1, please do not hesitate to contact us!

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