

HGT1S3N60A4DS9A

HGT1S3N60A4DS9A Information



For Reference Only

Part Number HGT1S3N60A4DS9A

Manufacturer Fairchild/ON Semiconductor

Category Discrete Semiconductor Products
Transistors - IGBTs - Single

Description IGBT 600V 17A 70W D2PAK

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

us

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



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HGT1S3N60A4DS9A Specifications

Manufacturer Part Number HGT1S3N60A4DS9A Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 17A Current - Collector Pulsed (Icm) 40A Vec(on) (Max) @ Vge, Ic 2.7V @ 15V, 3A Power - Max 70W Switching Energy 37μ (on), 25μ (off) Input Type Standard Gate Charge 21nC Td (on/off) @ 25°C 6ns/73ns Test Condition 390V, 3A, 50 Ohm, 15V Reverse Recovery Time (trr) 29ns Operating Temperature -55°C ~ 150°C (TI) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB		
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Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 17A Current - Collector Pulsed (Icm) 40A Vce(on) (Max) @ Vge, Ic 2.7V @ 15V, 3A Power - Max 70W Switching Energy 37µJ (on), 25µJ (off) Input Type Standard Gate Charge 21nC Td (on/off) @ 25°C 6ns/73ns Test Condition 390V, 3A, 50 Ohm, 15V Reverse Recovery Time (trr) 29ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB		Transistors - IGBTs - Single
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Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) Ve(on) (Max) @ Vge, Ic 2.7V @ 15V, 3A 70W Switching Energy 37µJ (on), 25µJ (off) Input Type Standard Gate Charge Td (on/off) @ 25°C 6ns/73ns Test Condition 390V, 3A, 50 Ohm, 15V Reverse Recovery Time (trr) 29ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	IGBT Type	-
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Vce(on) (Max) @ Vge, Ic 2.7V @ 15V, 3A Power - Max 70W Switching Energy 37μJ (on), 25μJ (off) Input Type Standard Gate Charge 21nC Td (on/off) @ 25°C 6ns/73ns Test Condition 390V, 3A, 50 Ohm, 15V Reverse Recovery Time (trr) 29ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB	Current - Collector (Ic) (Max)	17A
Power - Max70WSwitching Energy37μJ (on), 25μJ (off)Input TypeStandardGate Charge21nCTd (on/off) @ 25°C6ns/73nsTest Condition390V, 3A, 50 Ohm, 15VReverse Recovery Time (trr)29nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageTO-263AB	Current - Collector Pulsed (Icm)	40A
Switching Energy 37µJ (on), 25µJ (off) Input Type Standard Gate Charge 21nC Td (on/off) @ 25°C 6ns/73ns Test Condition 390V, 3A, 50 Ohm, 15V Reverse Recovery Time (trr) 29ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	Vce(on) (Max) @ Vge, Ic	2.7V @ 15V, 3A
Input Type Gate Charge 21nC Td (on/off) @ 25°C 6ns/73ns Test Condition 390V, 3A, 50 Ohm, 15V Reverse Recovery Time (trr) 29ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	Power - Max	70W
Gate Charge 21nC Td (on/off) @ 25°C 6ns/73ns Test Condition 390V, 3A, 50 Ohm, 15V Reverse Recovery Time (trr) 29ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB	Switching Energy	37μJ (on), 25μJ (off)
Td (on/off) @ 25°C 6ns/73ns Test Condition 390V, 3A, 50 Ohm, 15V Reverse Recovery Time (trr) 29ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB	Input Type	Standard
Test Condition 390V, 3A, 50 Ohm, 15V Reverse Recovery Time (trr) 29ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB	Gate Charge	21nC
Reverse Recovery Time (trr) 29ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB	Td (on/off) @ 25°C	6ns/73ns
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB	Test Condition	390V, 3A, 50 Ohm, 15V
Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB	Reverse Recovery Time (trr)	29ns
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package TO-263AB	Mounting Type	Surface Mount
	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Report errors?	Supplier Device Package	TO-263AB
		Report errors?

HGT1S3N60A4DS9A 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.

HGT1S3N60A4DS9A Payment Methods

































If you have any question about HGT1S3N60A4DS9A, please do not hesitate to contact us!

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