



IRGR4610DPBF Information



For Reference Only

Part Number IRGR4610DPBF
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products Transistors - IGBTs - Single

Description IGBT 600V 16A 77W DPAK

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.









IRGR4610DPBF Specifications

Manufacturer Part Number IRGR4610DPBF Manufacturer Infineon Technologies Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 16A Current - Collector Pulsed (Icm) 18A Vec(on) (Max) @ Vge, Ic 2V @ 15V, 6A Power - Max 77W Switching Energy 56µJ (on), 122µJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TI) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak		
Category Discrete Semiconductor Products Transistors - IGBTs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 16A Current - Collector Pulsed (Icm) 18A Vec(on) (Max) @ Vge, Ic 2V @ 15V, 6A Power - Max 77W Switching Energy 56μJ (on), 122μJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Manufacturer Part Number	IRGR4610DPBF
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 16A Current - Collector Pulsed (Icm) 18A Vce(on) (Max) @ Vge, Ic 2V @ 15V, 6A Power - Max 77W Switching Energy 56μJ (on), 122μJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Manufacturer	Infineon Technologies
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 16A Current - Collector Pulsed (Icm) 18A Vce(on) (Max) @ Vge, Ic 2V @ 15V, 6A Power - Max 77W Switching Energy 56μJ (on), 122μJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Category	Discrete Semiconductor Products
Series - IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 16A Current - Collector Pulsed (Icm) 18A Vce(on) (Max) @ Vge, Ic 2V @ 15V, 6A Power - Max 77W Switching Energy 56μJ (on), 122μJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak		Transistors - IGBTs - Single
IGBT Type - Voltage - Collector Emitter Breakdown (Max) 600V Current - Collector (Ic) (Max) 16A Current - Collector Pulsed (Icm) 18A Vce(on) (Max) @ Vge, Ic 2V @ 15V, 6A Power - Max 77W Switching Energy 56μJ (on), 122μJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Voltage - Collector Emitter Breakdown (Max) Current - Collector (Ic) (Max) Current - Collector Pulsed (Icm) 18A Vce(on) (Max) @ Vge, Ic 2V @ 15V, 6A Power - Max 77W Switching Energy 56µJ (on), 122µJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature 40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package	Series	-
Current - Collector (Ic) (Max) 16A Current - Collector Pulsed (Icm) 18A Vce(on) (Max) @ Vge, Ic 2V @ 15V, 6A Power - Max 77W Switching Energy 56μJ (on), 122μJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	IGBT Type	-
Current - Collector Pulsed (Icm) 18A Vce(on) (Max) @ Vge, Ic 2V @ 15V, 6A Power - Max 77W Switching Energy 56μJ (on), 122μJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Voltage - Collector Emitter Breakdown (Max)	600V
Vce(on) (Max) @ Vge, Ic 2V @ 15V, 6A Power - Max 77W Switching Energy 56μJ (on), 122μJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Current - Collector (Ic) (Max)	16A
Power - Max77WSwitching Energy56μJ (on), 122μJ (off)Input TypeStandardGate Charge13nCTd (on/off) @ 25°C27ns/75nsTest Condition400V, 6A, 47 Ohm, 15VReverse Recovery Time (trr)74nsOperating Temperature-40°C ~ 175°C (TJ)Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageD-Pak	Current - Collector Pulsed (Icm)	18A
Switching Energy 56µJ (on), 122µJ (off) Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Vce(on) (Max) @ Vge, Ic	2V @ 15V, 6A
Input Type Standard Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Power - Max	77W
Gate Charge 13nC Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Switching Energy	56μJ (on), 122μJ (off)
Td (on/off) @ 25°C 27ns/75ns Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Input Type	Standard
Test Condition 400V, 6A, 47 Ohm, 15V Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Gate Charge	13nC
Reverse Recovery Time (trr) 74ns Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Td (on/off) @ 25°C	27ns/75ns
Operating Temperature -40°C ~ 175°C (TJ) Mounting Type Surface Mount TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Test Condition	400V, 6A, 47 Ohm, 15V
Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Reverse Recovery Time (trr)	74ns
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package D-Pak	Operating Temperature	-40°C ~ 175°C (TJ)
Supplier Device Package D-Pak	Mounting Type	Surface Mount
	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
Report errors?	Supplier Device Package	D-Pak
		Report errors?

IRGR4610DPBF 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.

IRGR4610DPBF Payment Methods



















IRGR4610DPBF Shipping Methods













If you have any question about IRGR4610DPBF, please do not hesitate to contact us!

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