

IRG6I320UPBF

Request a Quote

IRG6I320UPBF Information

	Part Number	IRG6I320UPBF
www.clopper.com	Manufacturer	Infineon Technologies
	Category	Discrete Semiconductor Products Transistors - IGBTs - Single
	Description	IGBT 330V 24A 39W TO220ABFP
	Package	TO-220-3
		For the pricing/inventory/lead time, please contact
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com

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.



IRG6I320UPBF Specifications

Manufacturer Part Number IRG61320UPBF Manufacturer Infineon Technologies Category Discrete Semiconductor Products Transistors - IGBTs - Single Transistors - IGBTs - Single Package TO-220-3 Series - IGBT Type Trench Voltage - Collector Emitter Breakdown (Max) 300V Current - Collector I(L) (Max) 24A Current - Collector Pulsed (Icm) - Vec(on) (Max) @ Vge, Ic 1.65V @ 15V, 24A Power - Max 39W Switching Energy - Input Type Sandard Gate Charge 46nC Td (on/off) @ 25°C 24ns/89ns Test Condition 196V, 12A, 10 Ohm Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220.3 Supplic Device Package TO-220.4		
CategoryDiscrete Semiconductor Products Transistors - IGBTs - SinglePackageT0-220-3Series-IGBT TypeTrenchVoltage - Collector Emitter Breakdown (Max)330VCurrent - Collector I(c) (Max)24ACurrent - Collector Pulsed (Icm)-Vedor) (Max) @ Vge, Ic1.65V @ 15V, 24APower - Max39WSwitching Energy-Input TypeStandardGate Charge46nCTd (on/off) @ 25°C24ns/89nsTest Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Munting TypeThrough HolePackage / CaseTO-220AB	Manufacturer Part Number	IRG6I320UPBF
Transistors - IGBTs - SinglePackageTO-220-3Series-IGBT TypeTrenchVoltage - Collector Emitter Breakdown (Max)330VCurrent - Collector (Ic) (Max)24ACurrent - Collector Pulsed (Icm)-Vec(on) (Max) @ Vge, Ic1.65V @ 15V, 24APower - Max39WSwitching Energy-Input TypeStandardGate Charge46nCTd (on/off) @ 25°C24ns/89nsTest Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220.4B	Manufacturer	Infineon Technologies
PackageTO-220-3Series-IGBT TypeTrenchVoltage - Collector Emitter Breakdown (Max)330VCurrent - Collector (L) (Max)24ACurrent - Collector Pulsed (Icm)-Vec(on) (Max) @ Vge, Ic1.65V @ 15V, 24APower - Max39WSwitching Energy-Input TypeStandardGate Charge46nCTo (on/off) @ 25°C24ns/89nsFest Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220AB	Category	Discrete Semiconductor Products
Series-Series-IGBT TypeTrenchVoltage - Collector Emitter Breakdown (Max)330VCurrent - Collector (Le) (Max)24ACurrent - Collector Pulsed (Icm)-Vec(on) (Max) @ Vge, Ic1.65V @ 15V, 24APower - Max39WSwitching Energy-Input TypeStandardGate Charge46nCTd (on/off) @ 25°C24ns/89nsReverse Recovery Time (trr)240°C ~ 150°C (TJ)Noutting Type-Operating Temperature40°C ~ 150°C (TJ)Moutting TypeThrough HoleSupplier Device PackageTO-220AB		Transistors - IGBTs - Single
IGBT TypeTrenchVoltage - Collector Emitter Breakdown (Max)330VCurrent - Collector (Lo) (Max)24ACurrent - Collector Pulsed (Icm)-Vec(on) (Max) @ Vge, Ic1.65V @ 15V, 24APower - Max39WSwitching Energy-Input TypeStandardGate Charge46nCTol (on/off) @ 25°C196V, 12A, 10 OhmReverse Recovery Time (trr)-Querting Temperature-Mounting Type-Pokage / CaseTor220-3Suppler Device PackageTo-220AB	Package	TO-220-3
Voltage - Collector Emitter Breakdown (Max)330VCurrent - Collector (Lo) (Max)24ACurrent - Collector Pulsed (Icm)-Vce(on) (Max) @ Vge, Ic1.65V @ 15V, 24APower - Max39WSwitching Energy-Input TypeStandardGate Charge46nCTd (on/off) @ 25°C24n/89nsTest Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220AB	Series	-
Current - Collector (Ic) (Max)24ACurrent - Collector Pulsed (Icm)-Vec(on) (Max) @ Vge, Ic1.65V @ 15V, 24APower - Max39WSwitching Energy-Input TypeStandardGate Charge46nCTd (on/off) @ 25°C24ns/89nsTest Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220AB	IGBT Type	Trench
Current - Collector Pulsed (Icm)-Vec(on) (Max) @ Vge, Ic1.65V @ 15V, 24APower - Max39WSwitching Energy-Input TypeStandardGate Charge46nCCo (or) G1 © 25°C24ns/89nsTest Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220AB	Voltage - Collector Emitter Breakdown (Max)	330V
Vce(on) (Max) @ Vge, Ic1.65V @ 15V, 24APower - Max39WSwitching Energy-Input TypeStandardGate Charge46nCTd (on/off) @ 25°C24ns/89nsTest Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Current - Collector (Ic) (Max)	24A
Power - Max39WSwitching Energy-Input TypeStandardGate Charge46nCTd (on/off) @ 25°C24ns/89nsTest Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Current - Collector Pulsed (Icm)	-
NumberNumberSwitching Energy-Input TypeStandardGate Charge46nCTd (on/off) @ 25°C24ns/89nsTest Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Vce(on) (Max) @ Vge, Ic	1.65V @ 15V, 24A
Input Type Standard Input Type Standard Gate Charge 46nC Td (on/off) @ 25°C 24ns/89ns Test Condition 196V, 12A, 10 Ohm Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Power - Max	39W
Gate Charge46nCTd (on/off) @ 25°C24ns/89nsTest Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Switching Energy	-
Td (on/off) @ 25°C 24ns/89ns Test Condition 196V, 12A, 10 Ohm Reverse Recovery Time (trr) - Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Input Type	Standard
Test Condition196V, 12A, 10 OhmReverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Gate Charge	46nC
Reverse Recovery Time (trr)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Td (on/off) @ 25°C	24ns/89ns
Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Test Condition	196V, 12A, 10 Ohm
Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Reverse Recovery Time (trr)	-
Package / CaseTO-220-3Supplier Device PackageTO-220AB	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package TO-220AB	Mounting Type	Through Hole
	Package / Case	TO-220-3
Report error	Supplier Device Package	TO-220AB
		Report errors?

IRG6I320UPBF 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.

IRG6I320UPBF Payment Methods





If you have any question about IRG6I320UPBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com