

IPD60R600C6BTMA1

IPD60R600C6BTMA1 Information



For Reference Only

Part Number IPD60R600C6BTMA1

Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 7.3A TO252 **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



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IPD60R600C6BTMA1 Specifications

Manufacturer Part Number IPD60R600C6BTMA1 Manufacturer Infineon Technologies Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series CoolMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 7.3A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 3.5V @ 200µA Gate Charge (Qg) (Max) @ Vgs 20.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 440pF @ 100V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 63W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 2.4A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Report errors?		
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SeriesCoolMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C7.3A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.5V @ 200μAGate Charge (Qg) (Max) @ Vgs20.5nC @ 10VInput Capacitance (Ciss) (Max) @ Vds440pF @ 100VVgs (Max)±20VFET Feature-Power Dissipation (Max)63W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 2.4A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600 VCurrent - Continuous Drain (Id) @ 25°C7.3A (Tc)Drive Voltage (Max Rds On, Min Rds On)10 VVgs(th) (Max) @ Id3.5 V @ 200μAGate Charge (Qg) (Max) @ Vgs20.5nC @ 10 VInput Capacitance (Ciss) (Max) @ Vds440pF @ 100 VVgs (Max)±20 VFET Feature-Power Dissipation (Max)63W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 2.4A, 10 VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C7.3A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.5V @ 200μAGate Charge (Qg) (Max) @ Vgs20.5nC @ 10VInput Capacitance (Ciss) (Max) @ Vds440pF @ 100VVgs (Max)±20VFET Feature-Power Dissipation (Max)63W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 2.4A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	CoolMOS?
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Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 600 mOhm @ 2.4A, 10V Operating Temperature Supplier Device Package Package / Case 7.3A (Tc) 8.40 8.50 8.50 9.60 4.60 9.6	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.5V @ 200μAGate Charge (Qg) (Max) @ Vgs20.5nC @ 10VInput Capacitance (Ciss) (Max) @ Vds440pF @ 100VVgs (Max)±20VFET Feature-Power Dissipation (Max)63W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 2.4A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	600V
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Gate Charge (Qg) (Max) @ Vgs 20.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 440pF @ 100V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 63W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 2.4A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	10V
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Vgs (Max)±20VFET Feature-Power Dissipation (Max)63W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 2.4A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	20.5nC @ 10V
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Rds On (Max) @ Id, Vgs 600 mOhm @ 2.4A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	63W (Tc)
Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	600 mOhm @ 2.4A, 10V
Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	PG-TO252-3
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

IPD60R600C6BTMA1 Guarantees



Ouality 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.

IPD60R600C6BTMA1 Payment Methods



















IPD60R600C6BTMA1 Shipping Methods













If you have any question about IPD60R600C6BTMA1, please do not hesitate to contact us!

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