

IPD70R600CEAUMA1

IPD70R600CEAUMA1 Information



For Reference Only

Part Number IPD70R600CEAUMA1
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH TO252-3

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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IPD70R600CEAUMA1 Specifications

Manufacturer Part Number IPD70R600CEAUMA1 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) 700V Current - Continuous Drain (Id) @ 25°C 10.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 3.5V @ 0.21mA Gate Charge (Qg) (Max) @ Vgs 22nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 474pF @ 100V Vgs (Max) ±20V FET Feature Super Junction Power Dissipation (Max) 86W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 1A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-T0252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Report errors?		
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) Prain to Source Voltage (Vdss) Tourent - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1000 Lurent - Capacitance (Ciss) (Max) @ Vds 474pF @ 100V Vgs (Max) FET Feature Super Junction Power Dissipation (Max) SeW (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 1A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	IPD70R600CEAUMA1
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SeriesCoolMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)700VCurrent - Continuous Drain (Id) @ 25°C10.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.5V @ 0.21mAGate Charge (Qg) (Max) @ Vgs22nC @ 10VInput Capacitance (Ciss) (Max) @ Vds474pF @ 100VVgs (Max)±20VFET FeatureSuper JunctionPower Dissipation (Max)86W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 1A, 10VOperating Temperature-40°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 Type N-Channel Technology MOSFET (Metal Oxide) 700V Current - Continuous Drain (Id) @ 25°C 10.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Super Junction Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Supplier Device Package PG-TO252-3 Package / Case NOV MOSFET (Metal Oxide) MOSFET (Metal Oxide) 700V MOSFET (Metal Oxide) 700V 10V 40°C ~ 150°C (TJ) Surface Mount Pog-TO252-3 Package / Case N-Cannel 10V 10V 10V 10V 10V 10V 10V 10	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) 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 Super Junction Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 700V 100V 100V 100V 474pF @ 100V 474p	Series	CoolMOS?
Drain to Source Voltage (Vdss) 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 Super Junction Power Dissipation (Max) Rds On (Max) @ Id, Vgs 600 mOhm @ 1A, 10V Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
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 Super Junction Power Dissipation (Max) Rds On (Max) @ Id, Vgs 600 mOhm @ 1A, 10V Operating Temperature Supplier Device Package PG-TO252-3 Package / Case 10.5A (Tc) 1	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3.5V @ 0.21mA Gate Charge (Qg) (Max) @ Vgs 22nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 474pF @ 100V Vgs (Max) ±20V FET Feature Super Junction Power Dissipation (Max) 86W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 1A, 10V Operating Temperature -40°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	Drain to Source Voltage (Vdss)	700V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Super Junction Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Super Junction 600 mOhm @ 1A, 10V Operating Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	10.5A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 474pF @ 100V Vgs (Max) ±20V FET Feature Super Junction Power Dissipation (Max) Rds On (Max) @ Id, Vgs 600 mOhm @ 1A, 10V Operating Temperature -40°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
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Super Junction Power Dissipation (Max) Rds On (Max) @ Id, Vgs 600 mOhm @ 1A, 10V Operating Temperature -40°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	Vgs(th) (Max) @ Id	3.5V @ 0.21mA
Vgs (Max) $\pm 20 \text{V}$ FET FeatureSuper JunctionPower Dissipation (Max) 86W (Tc)Rds On (Max) @ Id, Vgs $600 \text{ mOhm } @ 1 \text{A}, 10 \text{V}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	22nC @ 10V
FET Feature Super Junction 86W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 1A, 10V Operating Temperature -40°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	Input Capacitance (Ciss) (Max) @ Vds	474pF @ 100V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 600 mOhm @ 1A, 10V Operating Temperature -40°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	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 600 mOhm @ 1A, 10V Operating Temperature -40°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	Super Junction
Operating Temperature -40°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)	86W (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 @ 1A, 10V
Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-40°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?

IPD70R600CEAUMA1 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.

IPD70R600CEAUMA1 Payment Methods



















IPD70R600CEAUMA1 Shipping Methods













If you have any question about IPD70R600CEAUMA1, please do not hesitate to contact us!

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