



APT20M38BVFRG Information



For Reference Only

Part Number APT20M38BVFRG
Manufacturer Microsemi Corporation

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 200V 67A TO-247

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

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



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APT20M38BVFRG Specifications

Manufacturer Part NumberAPT20M38BVFRGManufacturerMicrosemi CorporationCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-247-3SeriesPOWER MOS V?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C67A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 1mAGate Charge (Qg) (Max) @ Vgs225nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6120pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)370W (Tc)Rds On (Max) @ Id, Vgs38 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247 [B]Package / CaseTO-247-3Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series POWER MOS V? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 67A (Tc) 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 Operating Temperature Askage / Case Discrete Semiconductor Products TO-247-3 Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single TO-247-3	Manufacturer Part Number	APT20M38BVFRG
Package TO-247-3 Series POWER MOS V? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 67A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 225nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6120pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 370W (Tc) Rds On (Max) @ Id, Vgs 38 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Manufacturer	Microsemi Corporation
Package TO-247-3 Series POWER MOS V? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 67A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 225nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6120pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 370W (Tc) Rds On (Max) @ Id, Vgs 38 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Category	Discrete Semiconductor Products
SeriesPOWER MOS V?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C67A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 1mAGate Charge (Qg) (Max) @ Vgs225nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6120pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)370W (Tc)Rds On (Max) @ Id, Vgs38 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247 [B]Package / CaseTO-247-3		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) 200V Current - Continuous Drain (Id) @ 25°C 67A (Tc) 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 38 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package TO-247 [B] Package / Case	Package	TO-247-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 67A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 10put Capacitance (Ciss) (Max) @ Vds 11put Capacitance (Ciss) (Max) @ Vds 125nC @ 10V 15put Capacitance (Ciss) (Max) @ Vds 15put C	Series	POWER MOS V?
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 Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 200V 67A (Tc) 67A	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 67A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 225nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6120pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 370W (Tc) Rds On (Max) @ Id, Vgs 38 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 38 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package TO-247 [B] Package / Case TO-247-3	Drain to Source Voltage (Vdss)	200V
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 Operating Temperature Supplier Device Package Package / Case 4V @ 1mA 6120pF @ 25V 580 580 TO-247 [B] 780-247-3	Current - Continuous Drain (Id) @ 25°C	67A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 225nC @ 10V 6120pF @ 25V 230V 5100 51	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Through Hole Supplier Device Package TO-247-18 Package / Case 6120pF @ 25V £30V 6120pF @ 25V £30V FET Feature - 500C Through Hole Through Hole Through Hole	Vgs(th) (Max) @ Id	4V @ 1mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)370W (Tc)Rds On (Max) @ Id, Vgs38 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247 [B]Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	225nC @ 10V
FET Feature - Power Dissipation (Max) 370W (Tc) Rds On (Max) @ Id, Vgs 38 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Input Capacitance (Ciss) (Max) @ Vds	6120pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 38 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs38 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247 [B]Package / CaseTO-247-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Power Dissipation (Max)	370W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	38 mOhm @ 500mA, 10V
Supplier Device Package TO-247 [B] Package / Case TO-247-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-247-3	Mounting Type	Through Hole
	Supplier Device Package	TO-247 [B]
Report errors?	Package / Case	TO-247-3
		Report errors?

APT20M38BVFRG 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.

APT20M38BVFRG Payment Methods





















APT20M38BVFRG Shipping Methods













If you have any question about APT20M38BVFRG, please do not hesitate to contact us!

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