



APT18F60B Information



For Reference Only

Part Number APT18F60B

Manufacturer Microsemi Corporation

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 18A 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



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.









APT18F60B Specifications

Manufacturer Part Number APT18F60B Manufacturer Microsemi Corporation Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 19A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 90nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3550pF @ 25V Vgs (Max) ±33V FET Feature - Power Dissipation (Max) 335W (Tc) Rds On (Max) @ Id, Vgs 390 mOhm @ 9A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3 Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Torin to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 19A (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) ### 30V ### 3350pF @ 25V Vgs (Max) ### 430V ### 540 m (Max) ### 640 m (Max) ### 750 m m m m m m m m m m m m m m m m m m m	Manufacturer Part Number	APT18F60B
Package TO-247-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 19A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ ImA Gate Charge (Qg) (Max) @ Vgs 90nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3550pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 335W (Tc) Rds On (Max) @ Id, Vgs 390 mOhm @ 9A, 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 - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 19A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 90nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3550pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 335W (Tc) Rds On (Max) @ Id, Vgs 390 mOhm @ 9A, 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
Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C19A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 1mAGate Charge (Qg) (Max) @ Vgs90nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3550pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)335W (Tc)Rds On (Max) @ Id, Vgs390 mOhm @ 9A, 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) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 19A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 90nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3550pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 335W (Tc) Rds On (Max) @ Id, Vgs 390 mOhm @ 9A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case	Package	TO-247-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 19A (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 -55°C ~ 150°C (TJ) Mounting Type Supplier Device Package TO-247 [B] Package / Case MOSFET (Metal Oxide) 600V MOSFET (Metal Oxide) 600V 19A (Tc) 19A (Tc) 19V 10V 5V @ 1mA 5V @	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 1mA 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 600V 19A (Tc) 1PA (Tc) 1P	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 1mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case 19A (Tc)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 1mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 335W (Tc) Rds On (Max) @ Id, Vgs 390 mOhm @ 9A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Drain to Source Voltage (Vdss)	600V
Vgs(th) (Max) @ Id 5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 90nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3550pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 335W (Tc) Rds On (Max) @ Id, Vgs 390 mOhm @ 9A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Current - Continuous Drain (Id) @ 25°C	19A (Tc)
Gate Charge (Qg) (Max) @ Vgs 90nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3550pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 335W (Tc) Rds On (Max) @ Id, Vgs 390 mOhm @ 9A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	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 -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Vgs(th) (Max) @ Id	5V @ 1mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)335W (Tc)Rds On (Max) @ Id, Vgs390 mOhm @ 9A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247 [B]Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	90nC @ 10V
FET Feature - Comparison (Max) 335W (Tc) 335W (Tc) 390 mOhm @ 9A, 10V Coperating Temperature -55°C ~ 150°C (TJ) Comparison Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Input Capacitance (Ciss) (Max) @ Vds	3550pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 390 mOhm @ 9A, 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, Vgs390 mOhm @ 9A, 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)	335W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247 [B] Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	390 mOhm @ 9A, 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?

APT18F60B 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.

APT18F60B Payment Methods



















APT18F60B Shipping Methods













If you have any question about APT18F60B, please do not hesitate to contact us!

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