



IRFBC40ASTRR Information



For Reference Only

Part Number IRFBC40ASTRR
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 6.2A D2PAK

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

us

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



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IRFBC40ASTRR Specifications

Manufacturer Part Number IRFBC40ASTRR Manufacturer Vishay Siliconix Category Discrete Semiconductor Products Fransistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 6.2A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1036pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 1.2 Ohm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
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Package To-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 6.2A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1036pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 1.2 Ohm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer	Vishay Siliconix
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Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 6.2A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1036pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 1.2 Ohm @ 3.7A, 10V Operating Temperature 55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TOOSCO TOO TOO TOO TOO TOO TOO TOO TOO TOO T		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) 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 1.2 Ohm @ 3.7A, 10V Operating Temperature Supplier Device Package D2PAK Package / Case N-Channel MOSFET (Metal Oxide) MOSFET (Metal Oxide) MOSFET (Metal Oxide) N-Channel NOSFET (Metal Oxide) 600V 62.4 (Tc) 6.2A (Tc) 10V 10V 4V @ 250μA 42nC @ 10V 1036pF @ 25V 25V 25V 25V 25V 25V CT) Surface Mount D2PAK Package / Case	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C6.2A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs42nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1036pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs1.2 Ohm @ 3.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	-
Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C6.2A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs42nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1036pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs1.2 Ohm @ 3.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	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 Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.2 Ohm @ 3.7A, 10V Operating Temperature Surplier Device Package Package / Case 6.2A (Tc) 6.2	Technology	MOSFET (Metal Oxide)
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 1.2 Ohm @ 3.7A, 10V Operating Temperature Jest (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	600V
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 Mounting Type Surface Mount Supplier Device Package Package / Case 42nC @ 10V 1036pF @ 25V ±30V FET Feature - 125W (Tc) 1.2 Ohm @ 3.7A, 10V -55°C ~ 150°C (TJ) Surface Mount TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	6.2A (Tc)
Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1036pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 1.2 Ohm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	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 1.2 Ohm @ 3.7A, 10V Operating Temperature Operating Type Surface Mount Supplier Device Package D2PAK Package / Case 1036pF @ 25V 120V 120V Surface Mount T0-263-3, D2Pak (2 Leads + Tab), T0-263AB	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 1.2 Ohm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	42nC @ 10V
FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 1.2 Ohm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case T0-263-3, D2Pak (2 Leads + Tab), T0-263AB	Input Capacitance (Ciss) (Max) @ Vds	1036pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.2 Ohm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs1.2 Ohm @ 3.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	125W (Tc)
Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	1.2 Ohm @ 3.7A, 10V
Supplier Device Package D2PAK Package / Case D2PAK TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	D2PAK
	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Report errors?		Report errors?

IRFBC40ASTRR 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.

IRFBC40ASTRR Payment Methods



















IRFBC40ASTRR Shipping Methods













If you have any question about IRFBC40ASTRR, please do not hesitate to contact us!

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