



### **IRFR9214TRL Information**



For Reference Only

**Part Number** IRFR9214TRL **Manufacturer** Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 250V 2.7A DPAK

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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# **IRFR9214TRL Specifications**

Manufacturer Part Number         IRFR9214TRL           Manufacturer         Vishay Siliconix           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         250V           Current - Continuous Drain (Id) @ 25°C         2.7A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         14nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         220pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         50W (Tc)           Rds On (Max) @ Id, Vgs         3 Ohm @ 1.7A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D-Pak           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63           Report errors?		
CategoryDiscrete Semiconductor ProductsFackageTo-252-3, DPak (2 Leads + Tab), SC-63Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)250VCurrent - Continuous Drain (Id) @ 25°C2.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250µAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds220pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs3 Ohm @ 1.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	IRFR9214TRL
Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         250V           Current - Continuous Drain (Id) @ 25°C         2.7A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         14nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         220pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         50W (Tc)           Rds On (Max) @ Id, Vgs         3 Ohm @ 1.7A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D-Pak           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer	Vishay Siliconix
PackageTO-252-3, DPak (2 Leads + Tab), SC-63Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)250VCurrent - Continuous Drain (Id) @ 25°C2.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds220pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs3 Ohm @ 1.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)250VCurrent - Continuous Drain (Id) @ 25°C2.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds220pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs3 Ohm @ 1.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 250V Current - Continuous Drain (Id) @ 25°C 2.7A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 14nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 220pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 50W (Tc) Rds On (Max) @ Id, Vgs 3 Ohm @ 1.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case Tooks 100 Carrent Surface Mount Technology MOSFET (Metal Oxide) 10V	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)250VCurrent - Continuous Drain (Id) @ 25°C2.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds220pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs3 Ohm @ 1.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	-
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Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  10V  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  3 Ohm @ 1.7A, 10V  Operating Temperature  Supplier Device Package  Package / Case  2.7A (Tc)  4.7  4.7  4.7  2.7  2.7  4.7  2.7  4.7  4	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds220pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs3 Ohm @ 1.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	250V
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 @ 250μA  4V @ 250μA  4U © 10V  14nC @ 10V  220pF @ 25V  **EQUATE **  **EQUA	Current - Continuous Drain (Id) @ 25°C	2.7A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  220pF @ 25V  Vgs (Max)  ±20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  3 Ohm @ 1.7A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	10V
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Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  3 Ohm @ 1.7A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs3 Ohm @ 1.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	50W (Tc)
Mounting Type Surface Mount  Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	3 Ohm @ 1.7A, 10V
Supplier Device Package  D-Pak  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	D-Pak
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

#### **IRFR9214TRL 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.

### **IRFR9214TRL Payment Methods**



















## **IRFR9214TRL Shipping Methods**













If you have any question about IRFR9214TRL, please do not hesitate to contact us!

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