



### **ZXMP4A16KTC Information**

Part Number ZXMP4A16KTC

Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 40V 6.6A DPAK

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



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## **Certified Quality**

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## **ZXMP4A16KTC Specifications**

Manufacturer Part Number         ZXMP4A16KTC           Manufacturer         Diodes Incorporated           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)         40V           Current - Continuous Drain (Id) @ 25°C         6.6A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         1V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         29.6nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         965pF @ 20V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         2.15W (Ta)           Rds On (Max) @ Id, Vgs         60 mOhm @ 3.8A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-252-3           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63		
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)         40V           Current - Continuous Drain (Id) @ 25°C         6.6A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         1V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         29.6nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         965pF @ 20V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         2.15W (Ta)           Rds On (Max) @ Id, Vgs         60 mOhm @ 3.8A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-252-3           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	ZXMP4A16KTC
Package         To-252-3, DPak (2 Leads + Tab), SC-63           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         40V           Current - Continuous Drain (Id) @ 25°C         6.6A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         1V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         29.6nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         965pF @ 20V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         2.15W (Ta)           Rds On (Max) @ Id, Vgs         60 mOhm @ 3.8A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-252-3           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer	Diodes Incorporated
Package TO-252-3, DPak (2 Leads + Tab), SC-63  Series - FET Type P-Channel Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 40V  Current - Continuous Drain (Id) @ 25°C 6.6A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V  Vgs(th) (Max) @ Id 1V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 29.6nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 965pF @ 20V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) 2.15W (Ta)  Rds On (Max) @ Id, Vgs 60 mOhm @ 3.8A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package TO-252-3  Package / Case Too 252-3, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         40V           Current - Continuous Drain (Id) @ 25°C         6.6A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         1V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         29.6nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         965pF @ 20V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         2.15W (Ta)           Rds On (Max) @ Id, Vgs         60 mOhm @ 3.8A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-252-3           Package / Case         TO-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) 40V  Current - Continuous Drain (Id) @ 25°C 6.6A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V  Vgs(th) (Max) @ Id 1V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 29.6nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 965pF @ 20V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 3.8A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount Supplier Device Package TO-252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C6.6A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs29.6nC @ 10VInput Capacitance (Ciss) (Max) @ Vds965pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.15W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  6.6A (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  1V @ 250μA  Gate Charge (Qg) (Max) @ Vgs  1nput Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Supplier Device Package  Package / Case  40V  6.6A (Ta)  6.CA (Ta)  6.CA (Ta)  6.CA (Ta)  6.CA (Ta)  6.CA (Ta)  6.CA (Ta	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  1put 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  Surface Mount  Supplier Device Package  Package / Case  6.6A (Ta)  6.6B (Cital Sequence of the properties of the properti	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs29.6nC @ 10VInput Capacitance (Ciss) (Max) @ Vds965pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)2.15W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	40V
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  Surface Mount  Supplier Device Package  TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	6.6A (Ta)
Gate Charge (Qg) (Max) @ Vgs       29.6nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       965pF @ 20V         Vgs (Max)       ±20V         FET Feature       -         Power Dissipation (Max)       2.15W (Ta)         Rds On (Max) @ Id, Vgs       60 mOhm @ 3.8A, 10V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       TO-252-3         Package / Case       TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  #20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  60 mOhm @ 3.8A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-252-3  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	1V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)2.15W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 3.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	29.6nC @ 10V
FET Feature -  Power Dissipation (Max) 2.15W (Ta)  Rds On (Max) @ Id, Vgs 60 mOhm @ 3.8A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package TO-252-3  Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	965pF @ 20V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  60 mOhm @ 3.8A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-252-3  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 60 mOhm @ 3.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  TO-252-3  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	2.15W (Ta)
Mounting Type Surface Mount  Supplier Device Package TO-252-3  Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	60 mOhm @ 3.8A, 10V
Supplier Device Package TO-252-3 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	TO-252-3
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

#### **ZXMP4A16KTC 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.

# **ZXMP4A16KTC Payment Methods**



















### **ZXMP4A16KTC Shipping Methods**













If you have any question about ZXMP4A16KTC, please do not hesitate to contact us!

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