

TK56E12N1,S1X Information


For Reference Only

Part Number [TK56E12N1,S1X](#)
Manufacturer Toshiba Semiconductor and Storage
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N CH 120V 56A TO-220
Package TO-220-3
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com


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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.


TK56E12N1,S1X Specifications

Manufacturer Part Number	TK56E12N1,S1X
Manufacturer	Toshiba Semiconductor and Storage
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-220-3
Series	U-MOSVIII-H
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vds)	120V
Current - Continuous Drain (Id) @ 25°C	56A (Ta)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4V @ 1mA
Gate Charge (Qg) (Max) @ Vgs	69nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	4200pF @ 60V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	168W (Tc)
Rds On (Max) @ Id, Vgs	7 mOhm @ 28A, 10V
Operating Temperature	150°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-220
Package / Case	TO-220-3

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TK56E12N1,S1X 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.

TK56E12N1,S1X Payment Methods



TK56E12N1,S1X Shipping Methods



If you have any question about TK56E12N1,S1X, please do not hesitate to contact us!

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