

MCP87090T-U/LC Information


For Reference Only

Part Number [MCP87090T-U/LC](#)
Manufacturer Microchip Technology
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 25V 8PDFN
Package 8-PowerTDFN
 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.


MCP87090T-U/LC Specifications

Manufacturer Part Number	MCP87090T-U/LC
Manufacturer	Microchip Technology
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	8-PowerTDFN
Series	-
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	25V
Current - Continuous Drain (Id) @ 25°C	48A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	1.7V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	10nC @ 4.5V
Input Capacitance (Ciss) (Max) @ Vds	580pF @ 12.5V
Vgs (Max)	+10V, -8V
FET Feature	-
Power Dissipation (Max)	1.8W (Ta)
Rds On (Max) @ Id, Vgs	10.5 mOhm @ 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	8-PDFN (3x3)
Package / Case	8-PowerTDFN

[Report errors?](#)

MCP87090T-U/LC 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.

MCP87090T-U/LC Payment Methods



MCP87090T-U/LC Shipping Methods



If you have any question about MCP87090T-U/LC, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: salesdept@heisener.com