

**EPC2045ENGRT Information**


For Reference Only

**Part Number** [EPC2045ENGRT](#)  
**Manufacturer** EPC  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** TRANS GAN 100V BUMPED DIE  
**Package** Die  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto: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.


**EPC2045ENGRT Specifications**

Manufacturer Part Number	<a href="#">EPC2045ENGRT</a>
Manufacturer	EPC
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	Die
Series	eGaN?
FET Type	N-Channel
Technology	GaN FET (Gallium Nitride)
Drain to Source Voltage (V <sub>ds</sub> )	100V
Current - Continuous Drain (I <sub>d</sub> ) @ 25°C	16A (Ta)
Drive Voltage (Max R <sub>ds</sub> On, Min R <sub>ds</sub> On)	5V
V <sub>gs</sub> (th) (Max) @ I <sub>d</sub>	2.5V @ 5mA
Gate Charge (Q <sub>g</sub> ) (Max) @ V <sub>gs</sub>	6.5nC @ 5V
Input Capacitance (C <sub>iss</sub> ) (Max) @ V <sub>ds</sub>	685pF @ 50V
V <sub>gs</sub> (Max)	+6V, -4V
FET Feature	-
Power Dissipation (Max)	-
R <sub>ds</sub> On (Max) @ I <sub>d</sub> , V <sub>gs</sub>	7 mOhm @ 16A, 5V
Operating Temperature	-40°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	Die
Package / Case	Die

[Report errors?](#)

## EPC2045ENGRT 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.

## EPC2045ENGRT Payment Methods



## EPC2045ENGRT Shipping Methods



If you have any question about EPC2045ENGRT, please do not hesitate to contact us!

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

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)