

2N6509T Information


For Reference Only

Part Number 2N6509T
Manufacturer ON Semiconductor
Category Discrete Semiconductor Products
 [Thyristors - SCRs](#)
Description THYRISTOR SCR 25A 800V TO220AB
Package TO-220-3
 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.


2N6509T Specifications

Manufacturer Part Number	2N6509T
Manufacturer	ON Semiconductor
Category	Discrete Semiconductor Products Thyristors - SCRs
Package	TO-220-3
Series	-
Voltage - Off State	800V
Voltage - Gate Trigger (Vgt) (Max)	1.5V
Current - Gate Trigger (Igt) (Max)	30mA
Voltage - On State (Vtm) (Max)	1.8V
Current - On State (It (AV)) (Max)	16A
Current - On State (It (RMS)) (Max)	25A
Current - Hold (Ih) (Max)	40mA
Current - Off State (Max)	10µA
Current - Non Rep. Surge 50, 60Hz (Itsm)	250A @ 60Hz
SCR Type	Standard Recovery
Operating Temperature	-40°C ~ 125°C
Mounting Type	Through Hole
Package / Case	TO-220-3
Supplier Device Package	TO-220AB

[Report errors?](#)

2N6509T 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.

2N6509T Payment Methods



2N6509T Shipping Methods



If you have any question about 2N6509T, please do not hesitate to contact us!

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