



T0610H-8H 6A TRIAC

Rev.A.1.1

DESCRIPTION:

The T0610H-8H triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. Compared to traditional triacs, T0610H-8H offers the following advantages:

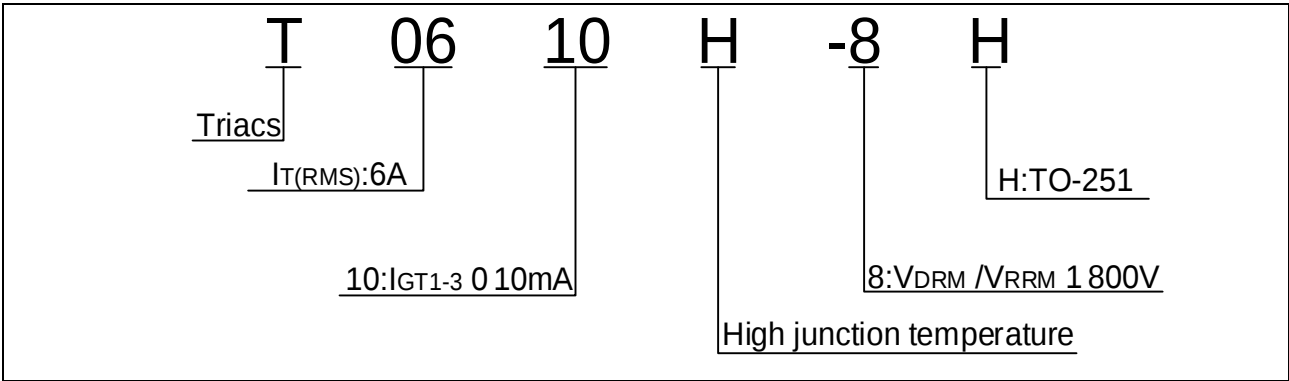
T0610H-8H offers the following advantages: 1. High power capability: 6A current rating, suitable for high power applications. 2. Low on-state voltage drop: Reduces power loss and improves efficiency. 3. High thermal stability: Can operate at high temperatures without performance degradation. 4. Low switching losses: Reduces heat generation during switching. 5. Long service life: High reliability and long operating life. 6. Wide temperature range: Operates from -40°C to 125°C. 7. Low cost: Economical for mass production. 8. Easy to use: Simple circuit design and easy to integrate. 9. High efficiency: Reduces energy consumption. 10. Low EMI: Reduces electromagnetic interference. 11. High reliability: Low failure rate. 12. Wide application range: Suitable for various AC switching applications. 13. Low standby current: Reduces power consumption when not in use. 14. High switching speed: Fast response time. 15. Low thermal resistance: Efficient heat dissipation. 16. High current density: Compact design. 17. Low cost of ownership: Low maintenance and replacement costs. 18. High safety: Low risk of fire or explosion. 19. High performance: Excellent switching characteristics. 20. Low environmental impact: RoHS compliant. 21. High compatibility: Compatible with various AC systems. 22. Low noise: Quiet operation. 23. High accuracy: Precise switching. 24. Low power consumption: Reduces energy costs. 25. High reliability: Long service life. 26. High efficiency: Reduces energy waste. 27. Low EMI: Reduces interference. 28. High safety: Low risk of fire or explosion. 29. High performance: Excellent switching characteristics. 30. Low cost: Economical for mass production.



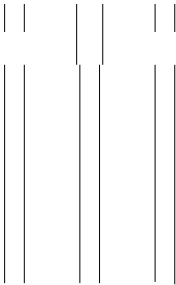
Peak gate power	P_{GM}	10	W
Peak pulse voltage ($T_j=25$; non-repetitive, off-state; FIG.7)	V_{pp}	3	kV

ELECTRICAL CHARACTERISTICS ($T_j=25$

ORDERING INFORMATION

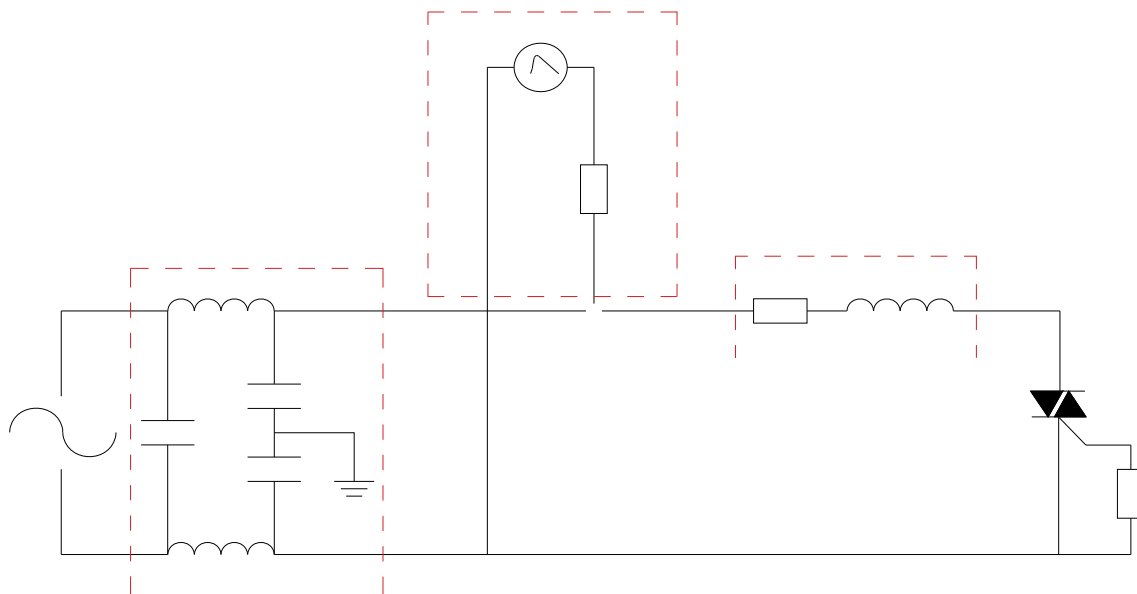


MARKING



T0610H-8H

FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards





ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		[-] --			
T0610H-8H	800	10	TO-251	80	Tube

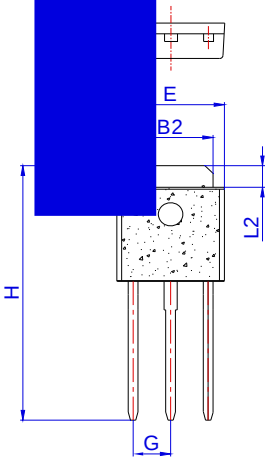
Document Revision History

Date	Revision	Changes
Apr.10, 2023	A.1.0	Last updated
Oct.17, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

T0610

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PACKAGING MECHANICAL DATA





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