



# SOLID STATE RELAYS

VO14642AT/AABTR



## New High Speed SSRs Target Test and Measurement Applications

### FEATURES

- Maximum  $t_{ON}$ ,  $t_{OFF}$ : 800  $\mu$ S
- Maximum  $R_{ON}$ : 0.25  $\Omega$
- Load current: 1 A
- Load voltage: 60 V
- Trigger current ( $I_F$ ): 1 mA
- Encased in a DIP-6 package
- Pure tin leads

### BENEFITS

- Maximum  $t_{ON}$ ,  $t_{OFF}$  of 800  $\mu$ s reduces time required for powering up the diagnostic routine in test and measurement applications
- Maximum  $R_{ON}$  of 0.25  $\Omega$  is optimal for applications requiring low power consumption and heat dissipation
- Low input trigger current allows direct interface with digital logic
- Crosses to NEC PS710A and Clare LCA710
- Component in accordance to RoHS 2002/95/EC and WEEE 2002/96/EC

Datasheet is available on our web site at [www.vishay.com](http://www.vishay.com)  
for CDR - <http://www.vishay.com/doc?81646>

# SOLID STATE RELAYS

## APPLICATIONS

- Automated test equipment
- Board testers
- Medical and instrumentation
- Industrial Controls

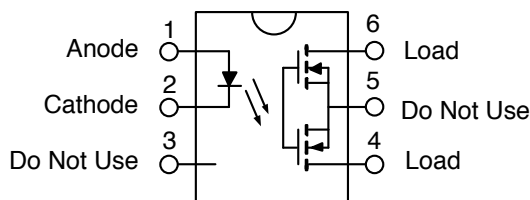
## SAFETY

- Certified by key international safety regulatory agencies such as UL, CUL, and VDE

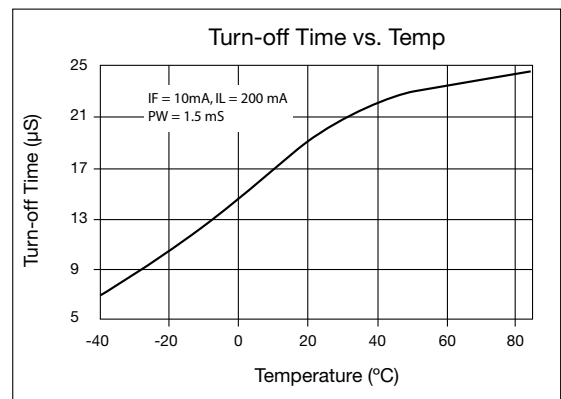
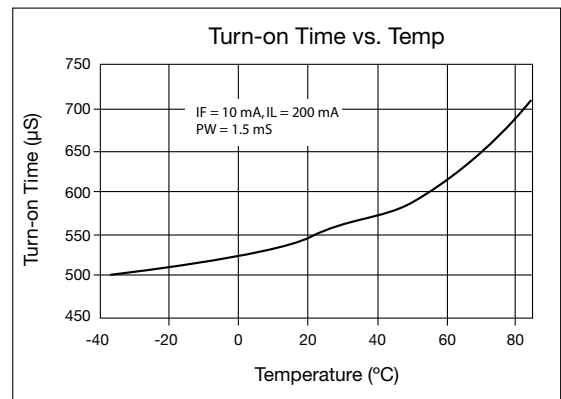
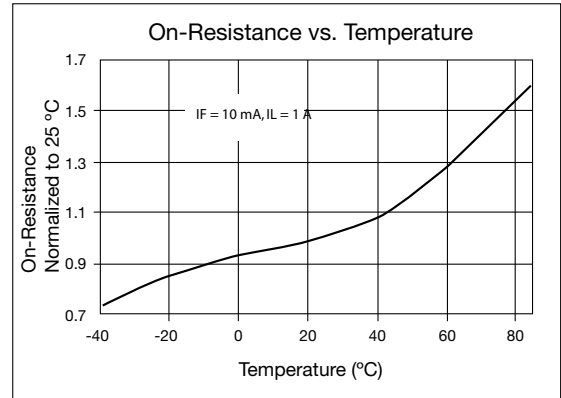
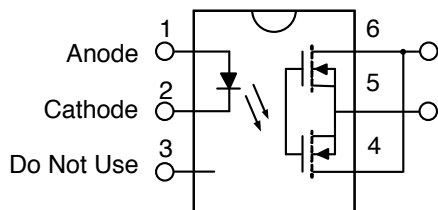
The VO14642A is the highest-speed SSR in its class. A fast  $T_{ON}/T_{OFF}$  of 800  $\mu$ s maximum facilitates test and measurement applications while the low  $R_{ON}$  of 0.25  $\Omega$  helps in applications needing low power consumption and heat dissipation.

The VO14642A can be configured for AC/DC or DC-only operation. In the AC/DC configuration the maximum  $R_{ON}$  is 0.25  $\Omega$  and the maximum peak load current is 3.6 A. In the DC-only configuration the maximum  $R_{ON}$  is 0.07  $\Omega$  and the maximum peak load current is 2 A.

AC/DC Configuration



DC Only Configuration



Part Number	Package	Packing	$R_{ON}$ ( $\Omega$ )	$I_{LOAD}$ (A)
VO14642AT	DIP-6	Tubes	0.25	2
VO14642AABTR	DIP-6	Tape & Reel	0.25	2

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