

ULTRA-HIGH SURGE TYPE METAL OXIDE VARISTOR

Product Spotlight

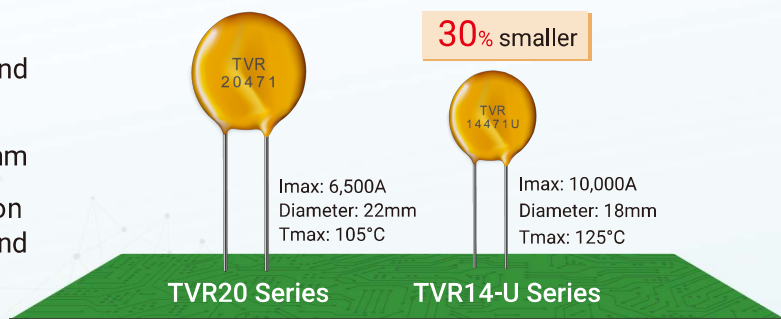
PRODUCT OVERVIEW



The TVR-U series of radial leaded metal oxide varistor (MOV) features ultra-high surge current withstand capability in smaller sizes. It is specifically designed for the latest electronics that require reduced overall product size, more robust over-voltage protection, and increased operating temperature. Available in disc sizes of $\Phi 10\text{mm}$ and $\Phi 14\text{mm}$, the TVR-U series offers high surge current ratings comparable to the standard $\Phi 14\text{mm}$ and $\Phi 20\text{mm}$ radial leaded varistors, resulting in a space-saving and reliable surge protection solution.

FEATURES

- Ultra-high surge current ratings up to 6,000A and 10,000A (8/20 μs pulse)
- Available in the disc sizes of $\Phi 10\text{mm}$ and $\Phi 14\text{mm}$
- Compact design saves about 30% installation space when compared with standard $\Phi 14\text{mm}$ and $\Phi 20\text{mm}$ varistors
- High operating temperature up to 125°C

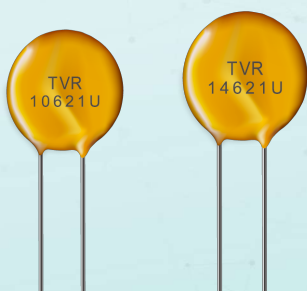


APPLICATIONS

- Power supply: switch mode power supply, charger, uninterruptible power supply
- Home appliance: television, refrigerator, air conditioner, lighting appliance
- Energy saving equipment: LED street light, solar inverter, energy storage system
- Industrial application: digital multimeter, DC-DC converter, inverter, controller



SPECIFICATIONS



Ultra-High Surge Type Metal Oxide Varistor: TVR-U Series

Agency Approval	UL / TUV / CQC	
Disc Size (mm)	$\Phi 10$	$\Phi 14$
Varistor Voltage@1mA (V)	200 to 1100	240 to 1100
Max. Continuous Voltage(V)	AC: 130 to 680 DC: 200 to 895	AC: 150 to 680 DC: 200 to 895
Max. Surge Current (8/20us), Imax (A)	6000	10000
Operating Temperature Range (°C)	-40 to 125	