



# XClampR™ Transient Voltage Suppressors

## IN SMC (DO-214AB) AND DO-218AB PACKAGES

### APPLICATIONS

Protect sensitive electronics against voltage transients



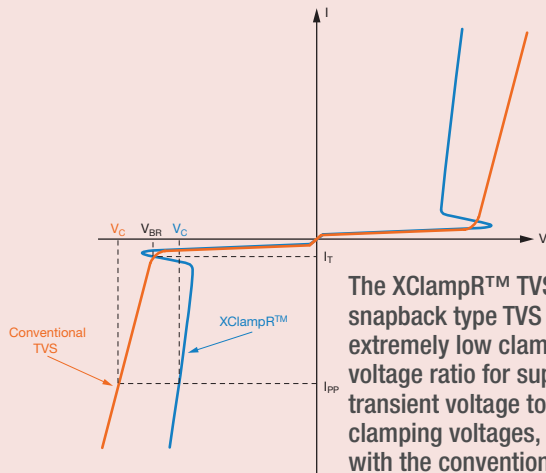
AUTOMOTIVE



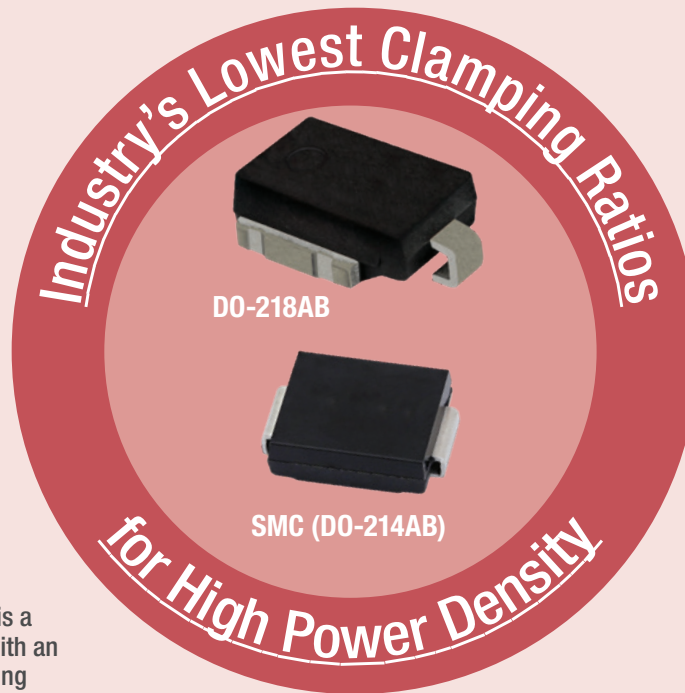
CONSUMER



INDUSTRIAL



The XClampR™ TVS is a snapback type TVS with an extremely low clamping voltage ratio for suppressing transient voltage to a lower clamping voltages, compared with the conventional TVS.



### FEATURES

- High peak pulse power dissipation
- 180 A at 10/1000 μs, equivalent to a 7 kW power rating of conventional TVS, in the SMC (DO-214AB)
- 120 A and 180 A at 10/10 000 μs, equivalent to a 4.6 kW and 7 kW power rating of conventional TVS, respectively, in the DO-218AB
- Wide operating temperature range of -55 °C to 175 °C

Automotive load dump protection and signal line protection in industrial robot arms and telecom systems

Bidirectional polarity

Meets **MSL level 1**, per J-STD-020

**LF maximum peak for 245 °C**

### XClampR™ TVS

Part Number	V <sub>WM</sub>	V <sub>BR</sub>	V <sub>CL</sub> Max.	P <sub>PPM</sub> (10/1000 μs)	P <sub>PPM</sub> (10/10 000 μs)	I <sub>PPM</sub> (10/1000 μs)	I <sub>PPM</sub> (10/10 000 μs)	I <sub>R</sub> Max.	T <sub>J</sub> Max.	Polarity	Package
<a href="#">XLD5A24CA</a>	24 V	26.7 V to 29.5 V	26 V	7700 W	4600 W	-	120 A	1.0 μA	175 °C	Bidirectional	DO-218AB
<a href="#">XLD8A24CA</a>	24 V	26.7 V to 29.5 V	26 V	11 000 W	7000 W	-	180 A	1.0 μA	175 °C	Bidirectional	DO-218AB
<a href="#">XMC7K24CA</a>	24 V	26.7 V to 29.5 V	24 V	7000 W	-	180 A	-	1.0 μA	175 °C	Bidirectional	SMC (DO-214AB)

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