



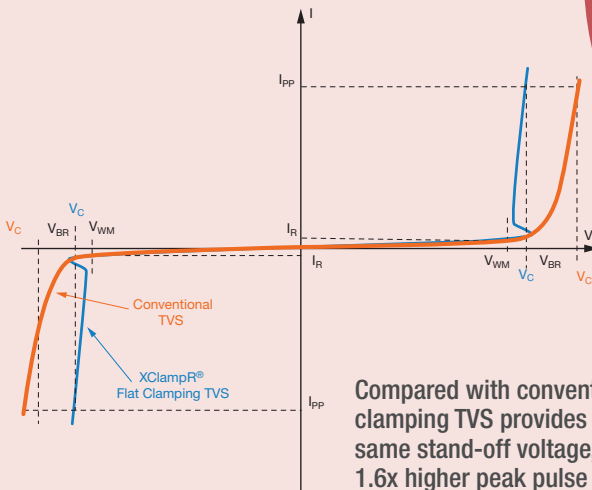
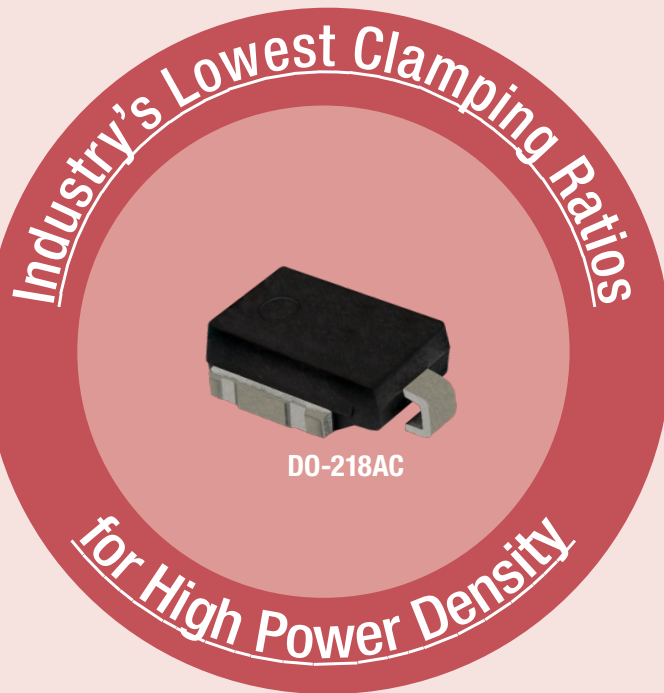
XClampR® Flat Clamping Transient Voltage Suppressors IN DO-218AC PACKAGES

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



FEATURES

- High peak pulse power dissipation
- Peak pulse current up to 207.1 A at 10/1000 μ s, equivalent to an 11 kW conventional TVS in the DO-218AC package, and up to 2140 A at 8/20 μ s
- Wide stand-off voltage range from 33 V to 85 V
- Low clamping ratio (V_c/V_{BR}) close to 1.0
- Available in commercial-grade and AEC-Q101 qualified versions
- Maximum clamping voltages from 40.6 V to 104.0 V
- Wide operating temperature range of -55 °C to 175 °C

APPLICATIONS

Protect sensitive electronics
against voltage transients



AUTOMOTIVE



CONSUMER



INDUSTRIAL

Part Number	V_{WM}	V_{BR}	P_{PPM} (10/1000 μ s)	I_R Max.	Code (JEDEC®)	TVS Polarity	T_J Max.	AEC-Q101 Qualified
XFD11K33CA thru XFD11K85CA	33 V ~ 85 V	36.7 V ~ 104 V	11 000 W	10 μ A	DO-218AC	Bidirectional	175 °C	Yes

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