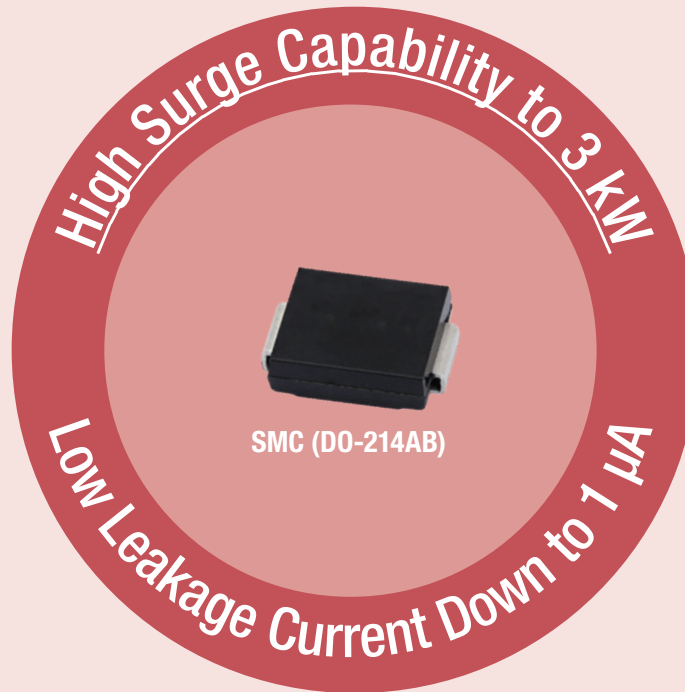




Bidirectional TRANSZORB[®] Transient Voltage Suppressors IN SMC (DO-214AB) PACKAGE

FEATURES

- High surge capability of 3 kW at 10/1000 μ s
 - Meets the specifications of ISO 16750-2 Pulse b
- Low leakage current down to 1 μ A from 22 V to 120 V
- Extremely stable breakdown voltage from 11.1 V to 133 V across their entire operating temperature range
- 33 TVS part numbers with stand-off voltages from 10 V to 120 V
- Very fast response times
- Low incremental surge resistance
- Maximum clamping voltage from 17.0 V to 193 V at 10/1000 μ s



SMC3K SERIES

Part Number	I_R Max. (μ A)	P_{PPM} (10/1000 μ s) (W)	T_J Max. ($^{\circ}$ C)	Polarity
SMC3K10CAHM3 A	10	3000	175	Bidirectional
SMC3K12CAHM3 A	5	3000	175	Bidirectional
SMC3K13CAHM3 A thru SMC3K20CAHM3 A	2	3000	175	Bidirectional
SMC3K22CAHM3 A thru MC3K120CAHM3 A	1	3000	175	Bidirectional

APPLICATIONS

Protect sensitive electronics against voltage transients



AUTOMOTIVE



CONSUMER



INDUSTRIAL



TELECOM

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

AEC-Q101 qualified

Bidirectional polarity

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

LF maximum peak for 245 $^{\circ}$ C

High temperature operation range: -55 $^{\circ}$ C to +175 $^{\circ}$ C

RoHS COMPLIANT HALOGEN FREE

For technical questions: DiodesAmericas@vishay.com, DiodesEurope@vishay.com, or DiodesAsia@vishay.com