



TRANSIENT VOLTAGE SUPPRESSORS IN eSMP® SERIES PACKAGES

TRANSZORB® and PAR® TVS



High temperature stability in high
reliability conditions to +185 °C



Low profile eSMP® packages:

MicroSMP (DO-219AD): 0.65 mm typical

SlimSMA (DO-221AC): 0.95 mm

SMF (DO-219AB): 1.0 mm

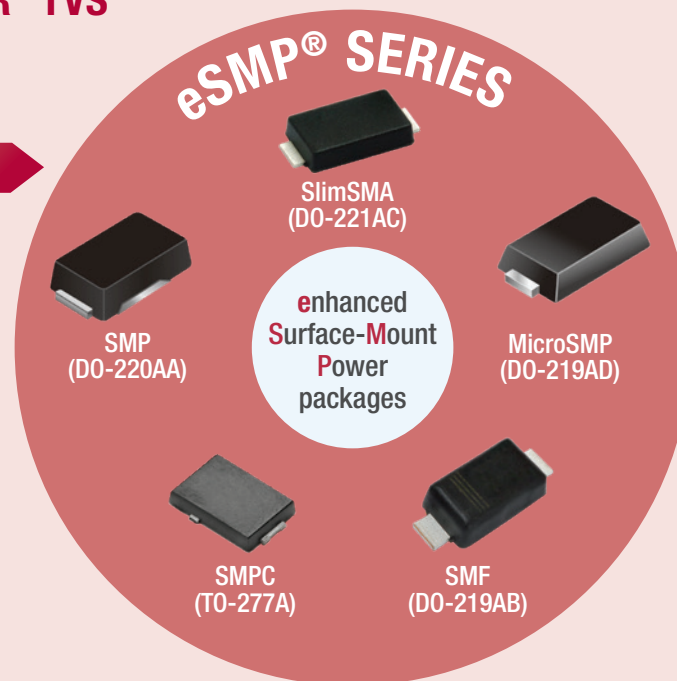
SMP (DO-220AA): 1.0 mm

SMPC (TO-277A): 1.1 mm typical

AEC-Q101 qualified and



Automotive Grade versions available



SNAPSHOT

Applications

Protect sensitive electronics
against voltage transients



CONSUMER



COMPUTER



INDUSTRIAL



TELECOM



AUTOMOTIVE

TRANSZORB® TVS diodes are
recommended for general applications

#1

PAR® TVS diodes are the **first choice**
for automotive applications

Series	Package Outline	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line
MSMP6.0A thru MSMP20A	MicroSMP (DO-219AD)	150	Unidirectional	6.67	6	20	150	TRANSZORB® TVS
MSP3V3, MSP5.0A	MicroSMP (DO-219AD)	150	Unidirectional	4.1	3.3	5	150	TransZorb® TVS
SMP3V3 thru SMP36A	SMP (DO-220AA)	400	Unidirectional	4.1	3.3	36	150	TransZorb® TVS
TPSMP6.8A thru TPSMP43A	SMP (DO-220AA)	400	Unidirectional	6.45	5.8	36.8	185	PAR® TVS
SMPC5.0A thru SMPC36A, SMPC22AN thru SMPC85AN	SMPC (TO-277A)	1500	Unidirectional	6.4	5	85	150	TransZorb® TVS
TPC11CA thru TPC36CA	SMPC (TO-277A)	1500	Bidirectional	10.5	9.4	30.8	185	PAR® TVS
TPC6.8A thru TPC51A	SMPC (TO-277A)	1500	Unidirectional	6.45	5.8	43.6	185	PAR® TVS
VTVS3V3ASMf to VTVS63GSMF	SMF (DO-219AB)	400	Unidirectional	6.4	3.3	63	175	TransZorb® TVS
SMA6F5.0A thru SMA6F20A	SlimSMA (DO-221AC)	600	Unidirectional	6.4	5	20	175	TransZorb® TVS
TA6F6.8A thru TA6F51A	SlimSMA (DO-221AC)	600	Unidirectional	6.45	5.8	43.6	185	PAR® TVS

For Technical Questions: DiodesAmericas@vishay.com, DiodesEurope@vishay.com, or DiodesAsia@vishay.com