



# VTVSxxGSMF SERIES

400 W TVS IN SMF (DO-219AB) PACKAGE

## IN A NUTSHELL



High surge capability of 400 W  
at 10/1000  $\mu$ s



Low profile (1 mm)  
SMF (DO-219AB) package

HALOGEN  
**FREE**

RoHS  
COMPLIANT

AEC-Q101  
Qualified

### COMPETITIVE ADVANTAGE

- Low avalanche breakdown voltage tolerance allows tighter design of electronic circuit
- Lower avalanche breakdown voltage tolerance = lower clamping voltage tolerance



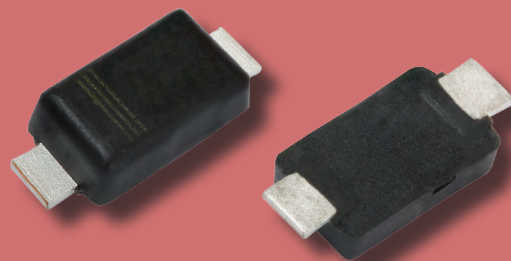
AVALANCHE  
BREAKDOWN  
VOLTAGE  
TOLERANCE



CLAMPING  
VOLTAGE  
TOLERANCE

- Important when a transient voltage signal must be clamped close to the max voltage range!

FIRST TO FEATURE ACCURATE 2%  $V_z^*$



*\*Only parts with 5 %  $V_z$  (breakdown voltage tolerance) offered by competitors*



Low leakage current

Low noise technology



Very fast response time

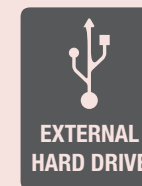
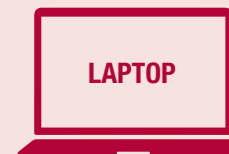
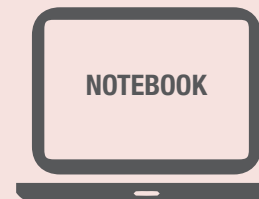
Precise protection for  
key components



VTVS Series consists of 23 devices  
(VTVS5V0ASMF to VTVS63GSMF)

### APPLICATIONS

Ideal for space-constrained electronics



### PRIMARY CHARACTERISTICS

$V_{BR}$	6.4 V to 78.2 V
$V_{WM}$	5.0 V to 63 V
$P_{PPM}$	400 W
$T_j \text{ max.}$	175 °C
Polarity	Unidirectional
Package	DO-219AB (SMF)