

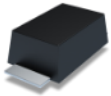


Powering Business Worldwide

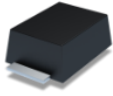
Automotive Rated TVS Diodes

Eaton Automotive TVS Diodes

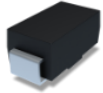
SMD TVS (Power)



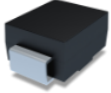
SMFxxH



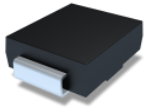
SMAJxxH



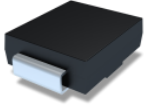
SMBJxxH/15BJxxH



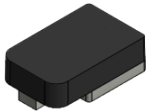
SMCJxxH



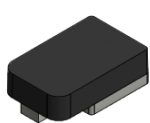
SMDJxxH



5.0SMDJxxH



SM8SxxH



SM8TxxH

Radial TVS



6KPxxH



12KPxxH

Product Description

Transient voltage suppressors with AEC-Q101 qualifications

Features & Benefits

- Offers peak power ratings from 200 W up to 12000 W
- Low inductance, low leakage current and excellent voltage clamping capability
- Broad range of footprints and peak power ratings in SMD and THT packages
- Product families meet up to ISO 7637-2 & 16750-2 A & B standards
- Leverages V-Groove interlock and dimple design that offers high reliability
- Can provide both bi-directional and uni-directional characteristics

Applications

- Communication and Infotainment systems
- Networking systems and body electronics
- Advanced Driver Assistance Systems (ADAS) and safety systems
- Automotive Lighting
- Battery Management Systems

Automotive TVS Diode Product Matrix



TVS Diode
Surface Mount

SOD-123FL
SMF

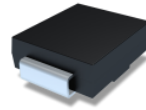
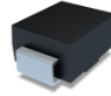
DO-214AC
SMAJ

DO-214AA
SMBJ

SMBF
15BJ

DO-214AB
SMCJ, SMDJ,
5-0SMDJ

DO-218AB
SM8S, SM8T

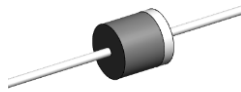


Series Name	Package	Reverse standoff voltage range	Peak current (10/1000 µs)	Peak Power
SMFxxH	SOD-123FL	10 - 58 V	2.1 to 11.8 A	200 & 400 W
SMAJxxH	DO-214AC	5 to 58 V	4.3 to 23.5 A	400 W
SMBJxxH	DO-214AA	5 to 58 V	6.4 to 30.2 A	600 W
15BJxxH	SMBF	12 to 58 V	16.1 to 88.2 A	1500 W
SMCJxxH	DO-214AB	15 to 58 V	16.1 to 61.5 A	1500 W
SMDJxxH	DO-214AB	12 to 54 V	34.4 to 150.8 A	3000 W
5-0SMDJxxH	DO-214AB	15 to 43 V	72 to 205 A	5000 W
SM8SxxH	DO-218AB	18 - 43 V	95.1 to 226 A	6600 W
SM8TxxH	DO-218AB	20 V; 33-36 V	138 to 247 A	8000 W



TVS Diode
Thru-hole

P600/R6
15KP



Series Name	Package	Reverse standoff voltage range	Peak current (10/1000 µs)	Peak Power
6KPxxH	P-600/R-6	15 to 43 V	95.1 to 270.5 A	6600 W
12KPxxH	P-600/R-6	20 to 72 V	103.4 to 249.9 A	12000 W

Family Cross Reference

Eaton Family	Littelfuse	Vishay	Bourns	ST Micro
SMFxxH	SZSMF	SMF...H		
SMFxxLH	TPSMF4L	VTVS....H	SMF4L-Q	
SMAJxxH	SZ1SMA	SMAJ...H & P4SMA...H	SMAJ-Q & P4SMA-Q	SM4T
SMBJxxH	TPSMB & SZ1SMB	SMBJ...H & P6SMB...H	SMBJ-Q & P6SMB-Q	SM6T
15BJxxH				
SMCJxxH	TPSMC & SZ1SMC & SZ1.5SMC	SMCJ...H & 1.5SMC...H	SMCJ-Q & 1.5SMC-Q	SM15T
SMDJxxH	TPSMD	SMC3K...H & 3KASMC...H	SMLJ-Q	SM30T
5-0SMDJxxH		SMC5K...H & 5KASMC...H	5.0SMDJ-Q	
SM8SxxH	SLD5S & SLD6S	SM5A & SM6A & SM8A	SM8S-Q	
SM8TxxH	SLD8S		SM8SF-Q	
6KPxxH	TLP & TP5KP	6KA & 5KP...H		LDP
12KPxxH				