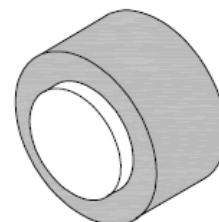


35A Controlled Avalanche TVS

Features

- High Power Capacity
- Avalanche Voltage 24 to 32V
- High Surge Current Capability
- Low Cost Construction Utilizing Void-Free Molded Plastic Technique
- RoHS Compliance



ARS



Mechanical Data

Case:	ARS, molded plastic body
Epoxy:	Plastic package has UL flammability classification 94V-0
Terminals:	Plated terminals solderable per MIL-STD-202, Method 208
Polarity:	Color ring denotes cathode end
Weight:	1.8 grams

Maximum Ratings and Electrical Characteristics ($T_A=25^{\circ}\text{C}$ unless noted otherwise)

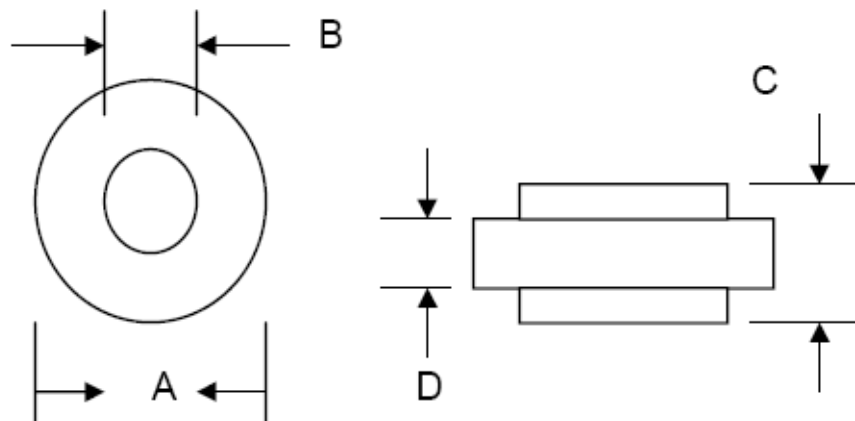
Symbol	Description		ARS2535	Unit	Conditions
V_{RRM}	Maximum Repetitive Peak Reverse Voltage		20	V	
V_{RWM}	Maximum Working Peak Reverse Voltage		20	V	
V_{DC}	Maximum DC Blocking Voltage		20	V	
I_{AV}	Maximum Average Rectified Output Current		35	A	T _C =125° C
V_{BR}	Breakdown Voltage	Min.	24	V	I _R =100mA
		Max.	32		
I_{FSM}	Non-Repetitive Peak Forward Surge Current		500	A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)

35A Controlled Avalanche TVS

ARS2535

Symbol	Description	ARS2535	Unit	Conditions
I_{PPM}	Maximum Peak Pulse Current	110	A	
V_F	Forward Voltage	1.08	V	I _F =100A
I_{RM}	Peak Reverse Current at Rated DC Blocking Voltage	200	nA	T _C =25° C
T_J, T_{STG}	Operating Junction and Storage Temperature Range	-50 to +175	° C	

Dimensions in mm



	ARS	
Dim	Min	Max
A	8.31	8.81
B	5.54	5.64
C	5.94	6.25
D	4.19	4.45

35A Controlled Avalanche TVS

ARS2535

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