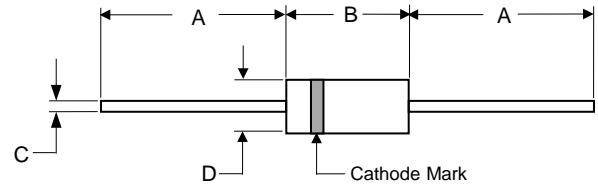


Features

* High Voltage Switching Diodes



RoHS
COMPLIANT



DO-35				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	1.083	---	27.50	---
B	---	0.154	---	3.90
C	---	0.020	---	0.50
D	---	0.075	---	1.90

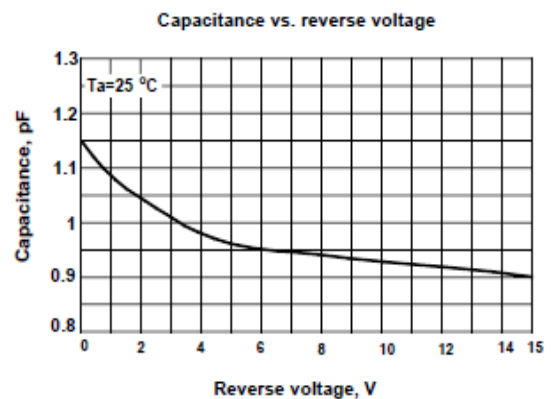
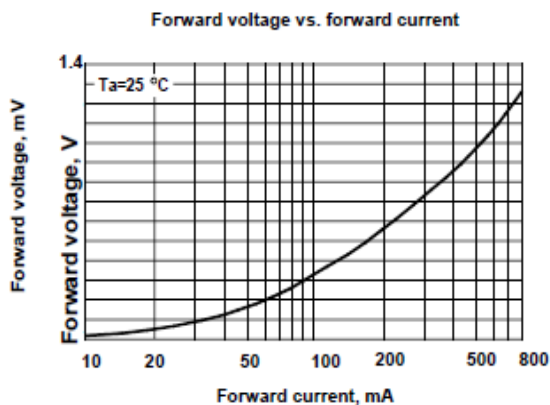
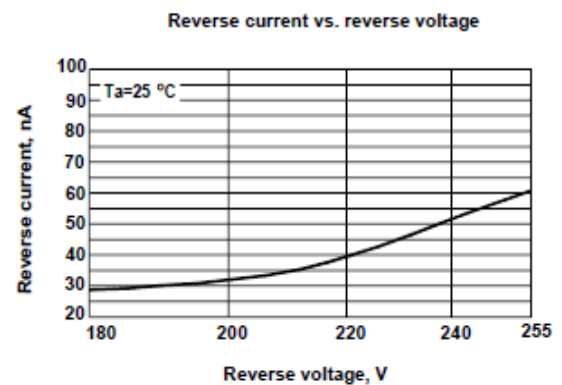
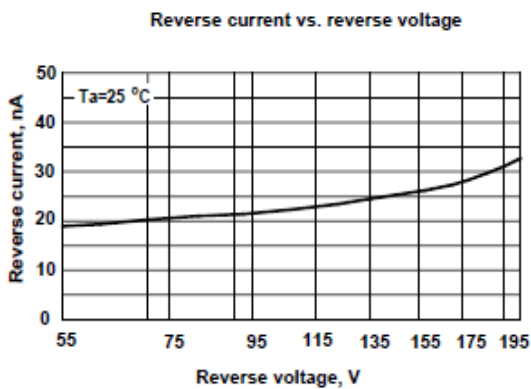
Maximum Ratings (T_A=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage BAV19 BAV20 BAV21	V _{RRM}	120 200 250	V
Reverse Voltage BAV19 BAV20 BAV21	V _R	100 150 200	V
Continuous Forward Current	I _F	250	mA
Repetitive Peak Forward Current	I _{FRM}	625	mA
Non-repetitive Peak Forward Surge Current at t = 1 s at t = 100 μs at t = 1 μs	I _{FSM}	1 3 9	A
Total Power Dissipation	P _{tot}	500	mW
Junction Temperature	T _j	175	°C
Storage Temperature Range	T _{stg}	- 65 to + 175	°C

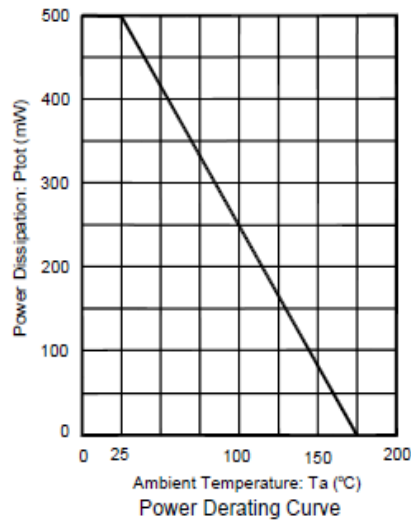
Electrical Characteristics (T_A=25°C unless otherwise noted)

Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at I _R = 100 μA BAV19 BAV20 BAV21	V _{(BR)R}	120 200 250	- - -	V
Forward Voltage at I _F = 100 mA at I _F = 200 mA	V _F	- -	1 1.25	V
Reverse Current at V _R = 100 V at V _R = 150 V at V _R = 200 V at V _R = 100 V, T _A = 150°C at V _R = 150 V, T _A = 150°C at V _R = 200 V, T _A = 150°C	I _R	- - - - - -	100 100 100 100 100 100	nA nA nA μA μA μA
Diode Capacitance at V _R = 0 V, f = 1 MHz	C _d	-	5	pF
Reverse Recovery Time at I _F = I _R = 30 mA, I _{rr} = 3 mA, R _L = 100 Ω	t _{rr}	-	50	ns

Ratings and Characteristic Curves



Ratings and Characteristic Curves



Ordering Information

Part No.	Package	Packing Code	Packing
BAV19, BAV20, BAV21	DO-35	A50	5000pcs/Ammo

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