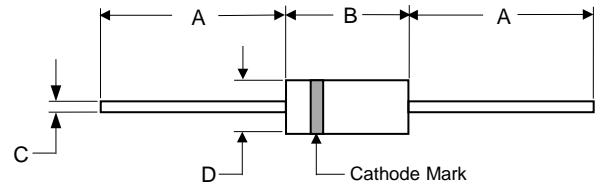


Features

* For general purpose applications



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

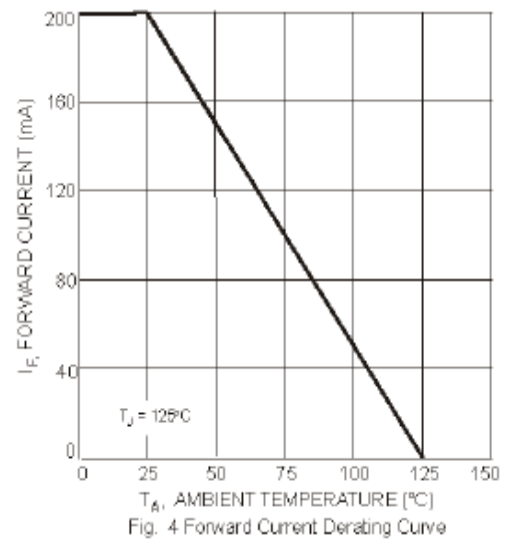
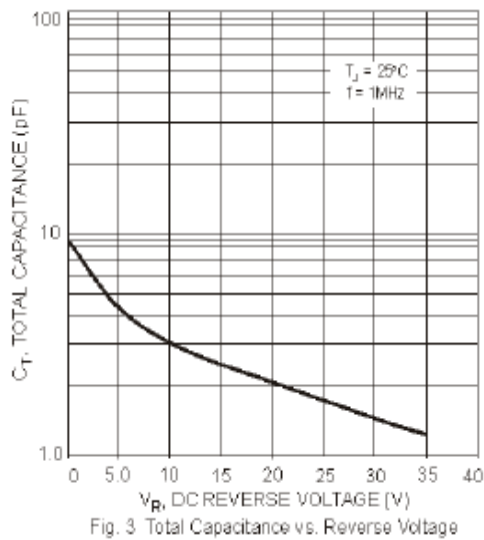
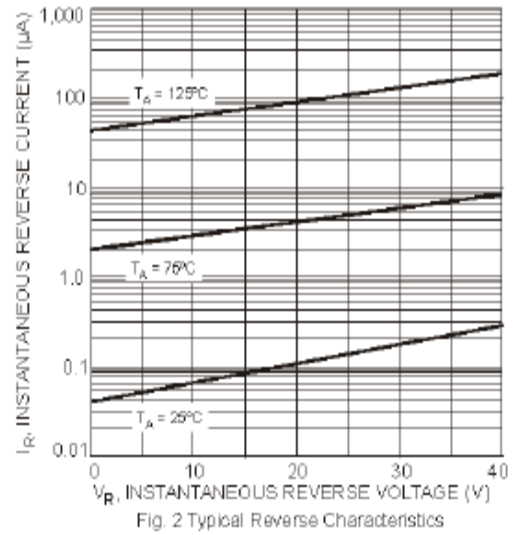
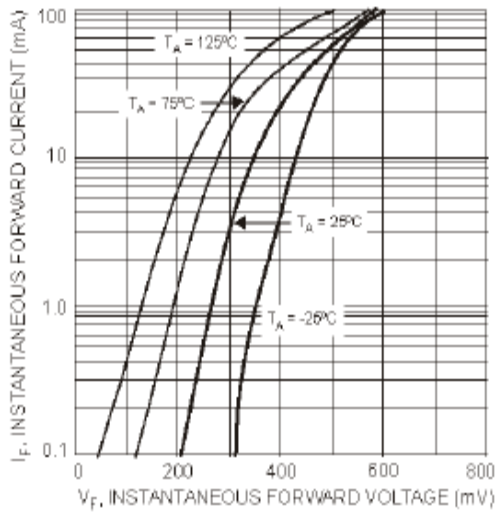
Maximum Ratings (T_A=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	30	V
Forward Continuous Current	I _F	200	mA
Repetitive Peak Forward Current (at t _p < 1 s)	I _{FRM}	500	mA
Surge Forward Current (at t _p < 10 ms)	I _{FSM}	4	A
Power Dissipation	P _{tot}	200	mW
Junction Temperature	T _j	125	°C
Storage Temperature Range	T _{stg}	- 65 to + 150	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	
Forward Voltage	V _F	-	-	1	V	
at I _F = 200 mA		-	-	0.4	V	
at I _F = 10 mA		BAT42	-	-	0.65	V
at I _F = 50 mA		BAT42	-	-	0.33	V
at I _F = 2 mA		BAT43	0.26	-	0.45	V
at I _F = 15 mA	BAT43	-	-	-	V	
Reverse Breakdown Voltage	V _{(BR)R}	30	-	-	V	
at I _R = 100 μA						
Reverse Leakage Current	I _R	-	-	0.5	μA	
at V _R = 25 V						
Diode Capacitance	C _{tot}	-	7	-	pF	
at V _R = 1 V, f = 1 MHz						
Reverse Recovery Time	t _{rr}	-	-	5	ns	
at I _F = I _R = 10 mA, I _{rr} = 0.1 X I _R , R _L = 100 Ω						

Ratings and Characteristic Curves





BAT42, BAT43 *Schottky Barrier Diodes*

Ordering Information

Part No.	Package	Packing Code	Packing
BAT42, BAT43	DO-35	A50	5000pcs/Ammo

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