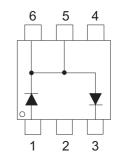


#### ABSOLUTE RATINGS (each diode)

Parameter	Symbol	Value	Units
Maximum Reverse Voltage	VR	30	V
Peak Reverse Voltage	Vrrm	30	V
Continuous Forward Current	١F	0.2	А

#### THERMAL CHARACTERISTICS

Parameter	Symbol	Value	Units	
Power Dissipation (Note 1)	Ртот	200	mW	
Thermal Resistance, Junction to Ambient (Note 1)	Rθja	625	°C/W	
Junction Temperature	TJ	-55 to 125	°C	
Storage Temperature	Тята	-55 to 150	°C	



NOTE:

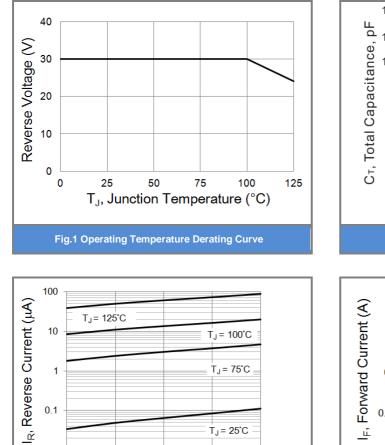
1. FR-4 Board = 70 x 60 x 1mm.



#### ELECTRICAL CHARACTERISTICS (each diode) (TA=25°C, unless otherwise noted)

Parameter	Symbol	Test Condition	MIN.	TYP.	MAX.	Units
Reverse Breakdown Voltage	V(BR)	I R=100 uA	30	-	-	V
Reverse Current	l r	V <sub>R</sub> =25 V	-	-	2.0	μΑ
Forward Voltage	VF	I F=0.1mA I F=1.0mA I F=10mA I F=30mA I F=100mA	- - - -	- - 0.347 - -	0.24 0.32 0.40 0.50 0.60	V
Total Capacitance	Ст	VR=1V, f=1.0MHz	-	-	10	pF





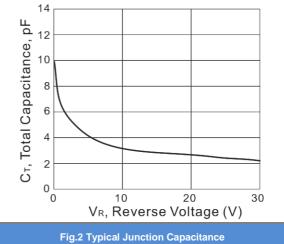
. T<sub>J</sub> = 75℃

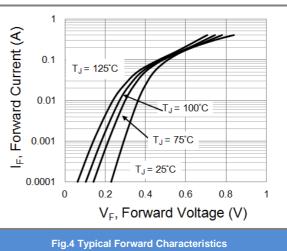
. T<sub>J</sub> = 25℃

100

80

**TYPICAL CHARACTERISTIC CURVES** 





1

0.1

0.01

20

40

60

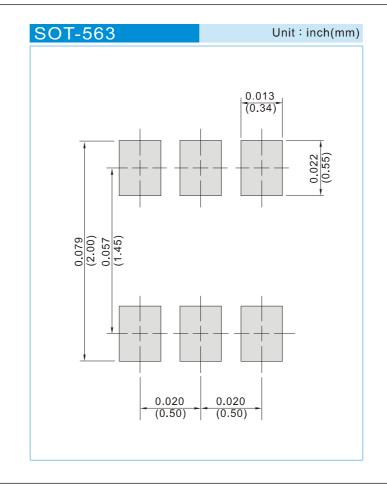
Fig.3 Typical Reverse Characteristics

Percent of Rated Peak Reverse Voltage (%)





#### MOUNTING PAD LAYOUT



#### ORDER INFORMATION

Packing information

T/R - 4K per 7" plastic Reel

T/R - 8K per 7" plastic Reel

T/R - 10K per 13" plastic Reel

T/R - 20K per 13" plastic Reel





### Part No\_packing code\_Version

BAT54TB6_	_R1_	00001
BAT54TB6_	_R2_	00001
BAT54TB6_	_R1_	00002
BAT54TB6_	_R2_	00002

### For example :

### RB500V-40\_R2\_00001

L



- Serial number

• Version code means HF

- Packing size code means 13"
- Packing type means T/R

Packing Code XX		Version Code XXXXX				
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			

h,





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