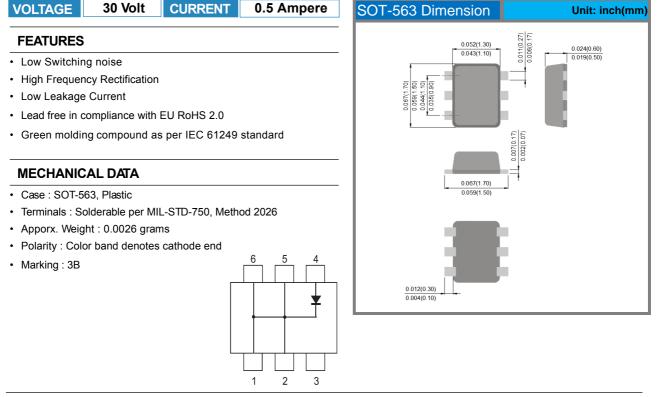


## SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER



#### ABSOLUTE MAXIMUM RATINGS (TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNITS
Reverse Voltage	V <sub>R</sub>	30	V
Peak Reverse Voltage	V <sub>RRM</sub>	30	V
Average Rectified Current	I <sub>o</sub>	0.5	A
Peak Forward Surge Current:8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	6	А
Typical Thermal Resistance, Junction to Ambient (Note 1)	R <sub>eja</sub>	625	°C/W
Operating Junction Temperature and Storage Temperature Range	Τ <sub>J</sub> ,Τ <sub>stg</sub>	-55 to +125	٥C

#### ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise noted)

PARAMETER	SYMBOL	Test Condition	MIN.	TYP.	MAX.	UNITS
Reverse Breakdown Voltage	V(BR)	l≈=0.2mA	30	-	-	V
Reverse Current	١r	VR=15 V	-	-	5	μΑ
Forward Voltage	VF	l⊧=0.5A	-	0.45	0.5	V
Typical Junction Capacitance	CJ	VR=0V, f=1.0MHz	-	132	-	pF

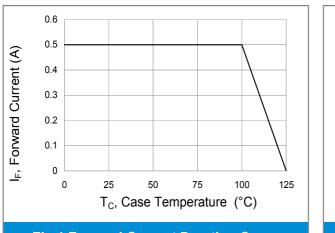
#### NOTES:

1.Mounted on 48cm<sup>2</sup> FR-4 PCB .

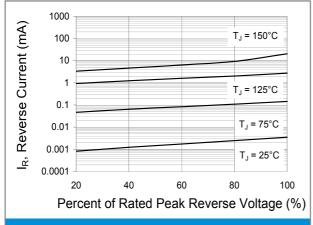


# SS0530TB6

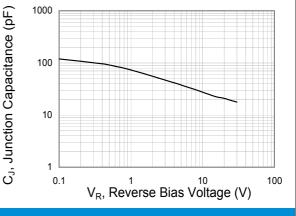
### **RATING AND CHARACTERISTIC CURVES**



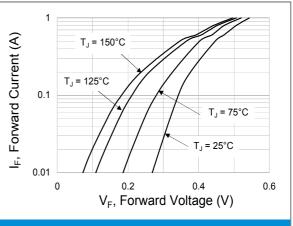
## Fig.1 Forward Current Derating Curve



#### Fig.3 Typical Reverse Characteristics

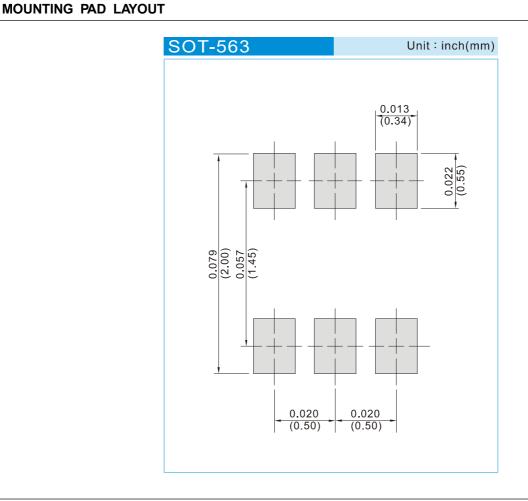


### Fig.2 Typical Junction Capacitance



### **Fig.4 Typical Forward Characteristics**

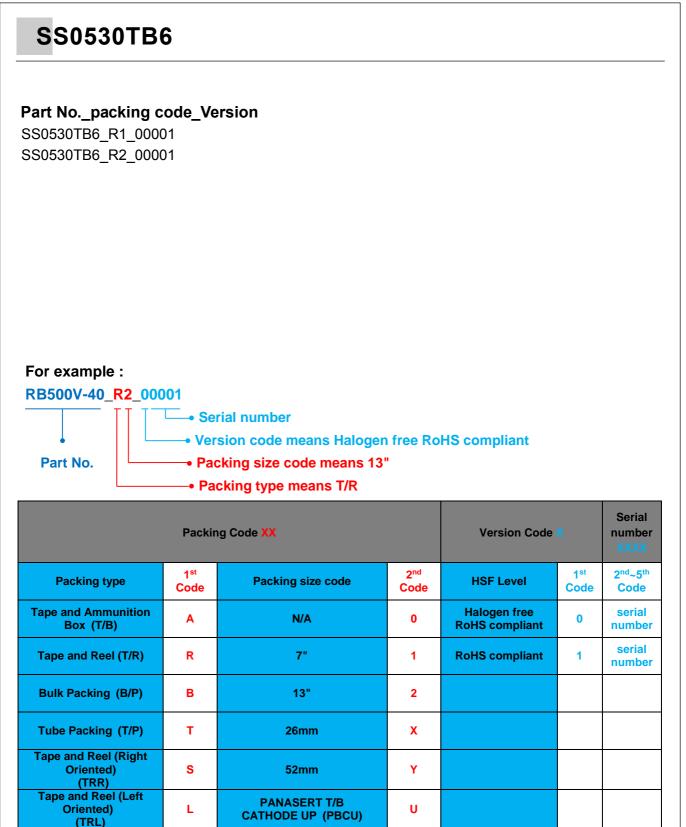




#### ORDER INFORMATION

- Packing information
  - T/R 10K per 13" plastic Reel
  - T/R 4K per 7" plastic Reel





FORMING

F

D

**PANASERT T/B** 

**CATHODE DOWN (PBCD)** 



# SS0530TB6

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