

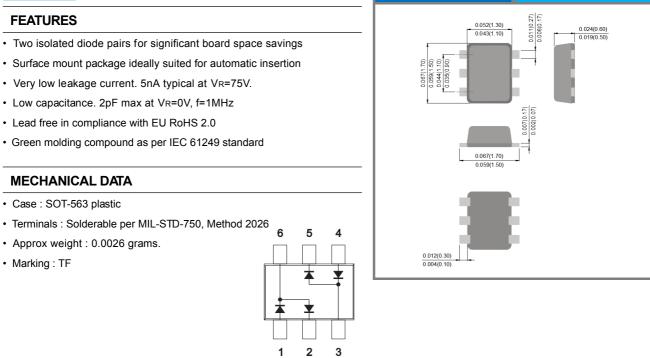
FEATURES

Marking : TF



SOT-563 Dimension

Unit: inch(mm)



ABSOLUTE RATINGS (each diode)

Parameter	Symbol	Value	Units
Maximum Reverse Voltage	VR	100	V
Peak Reverse Voltage	Vrm	100	V
Continuous Forward Current	ΙF	0.2	А
Non-repetitive Peak Forward Surge Current at t=1.0us	IFSM	2.0	А

Fig.32

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 150	°C
Storage Temperature	Тѕтс	-55 to 150	°C

NOTE:

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

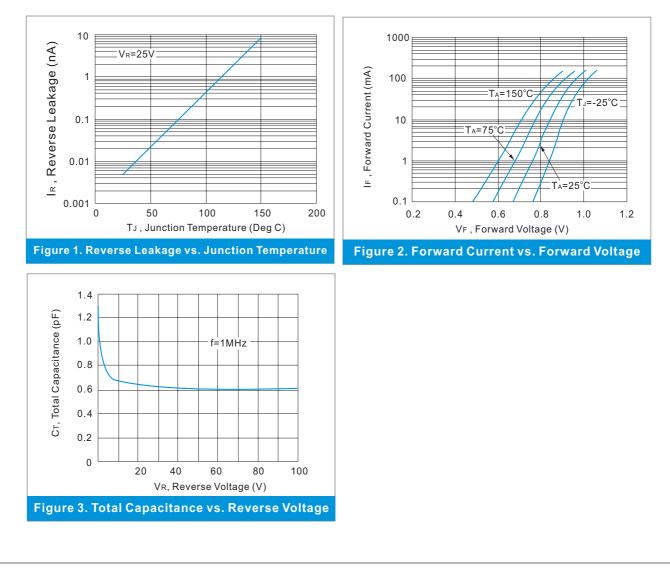


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ELECTRICAL CHARACTERISTICS (each diode) (TA=25°C, unless otherwise noted)

PARAMETER	Symbol	Test Condition	MIN.	TYP.	MAX.	Units
Reverse Breakdown Voltage	V(BR)	I R=100 uA			100	V
Reverse Current	l r	V _R =75 V V _R =75 V,TJ=150 °C			5 80	nA
Forward Voltage	VF	F=1mA F=10mA F=50mA F=150mA			0.9 1.0 1.1 1.25	V
Total Capacitance	Ст	VR=0 V, f=1MHz			2.0	pF
Reverse Recovery Time	Trr	I = I R=10mA, RL=100Ω			3.0	us

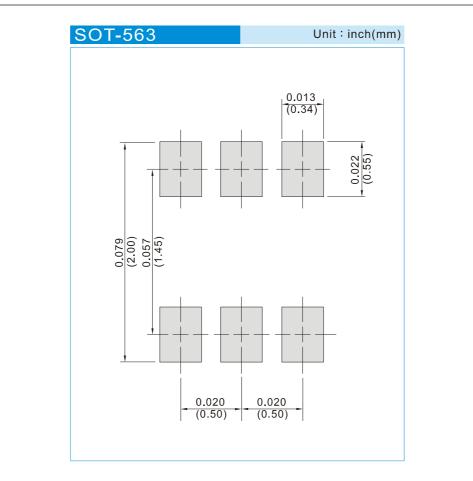
CHARACTERISTIC CURVES (each diode)





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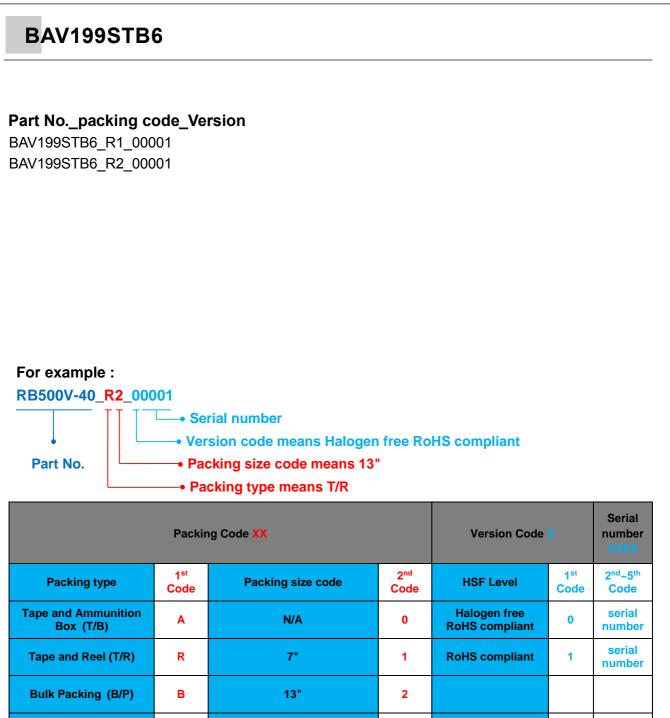
MOUNTING PAD LAYOUT



ORDER INFORMATION

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





Tube Packing (T/P)

Tape and Reel (Right Oriented)

(TRR) Tape and Reel (Left

Oriented)

(TRL)

FORMING

т

S

L

F

26mm

52mm

PANASERT T/B

CATHODE UP (PBCU)

PANASERT T/B

CATHODE DOWN (PBCD)

Х

Υ

U

D



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