

TS260S

MICRO SURFACE MOUNT SCHOTTKY BRIDGE

VOLTAGE	60 Volt	CURRENT	2 Ampere
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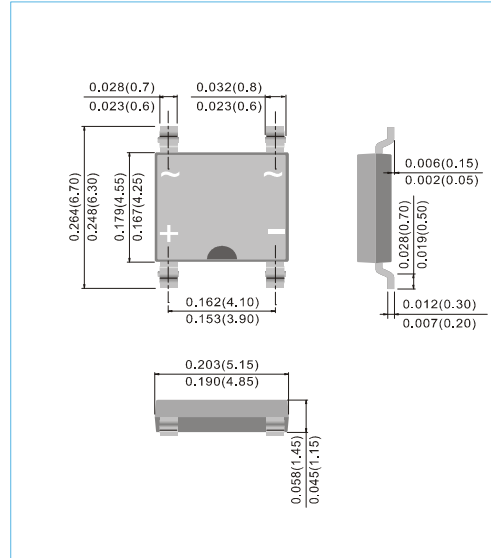
MICRO DIP / TDI Unit : inch(mm)

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O. Flame Retardant Epoxy Molding Compound.
- Exceeds environmental standards of MIL-S-19500/228
- Low power loss, high efficiency.
- Low forward voltage, high current capability
- High surge capacity.
- Super fast recovery times, high voltage.
- Epitaxial chip construction.
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case: Micro Dip Molded plastic
- Terminals: Lead solderable per MIL-STD-750, Method 2026
- Polarity: As marked.
- Standard packaging: Any
- Weight: 0.003 ounce, 0.09 gram



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

PARAMETER	SYMBOL	VALUE	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	60	V
Maximum RMS Voltage	V _{RMS}	42	V
Maximum DC Blocking Voltage	V _R	60	V
Maximum Average Forward Current	I _O	2	A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	50	A
Typical Thermal Resistance, Junction to Ambient (Note 2) Junction to Case (Note 1)	R _{θJA} R _{θJL}	210 33	°C/W
Operating Junction Temperature and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C

NOTES : 1.Semi-infinite heatsink.
2.Minimum pad for each lead on board.

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ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN.	TYP.	MAX.	UNIT
Breakdown voltage	V _{BR}	I _R =150μA T _A =25°C	60	-	-	V
Instantaneous forward voltage	V _F	I _F =0.5A	-	0.43	-	V
		I _F =1A	-	0.50	-	
		I _F =2A	-	0.63	0.7	
		I _F =0.5A	-	0.34	-	V
		I _F =1A	-	0.45	-	
		I _F =2A	-	0.57	-	
Reverse current	I _R	V _R =48V T _A =25°C	-	5	-	μA
		V _R =60V T _A =25°C	-	-	50	μA
		T _A =125°C	-	7	-	mA
Junction capacitance	C _J	V _R =4V, f=1MHz	-	-	140	pF

RATING AND CHARACTERISTIC CURVES

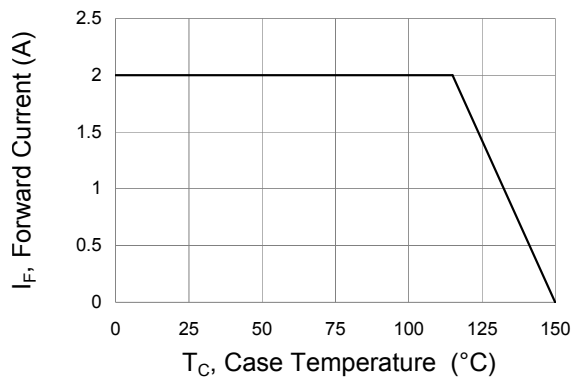


Fig.1 Forward Current Derating Curve

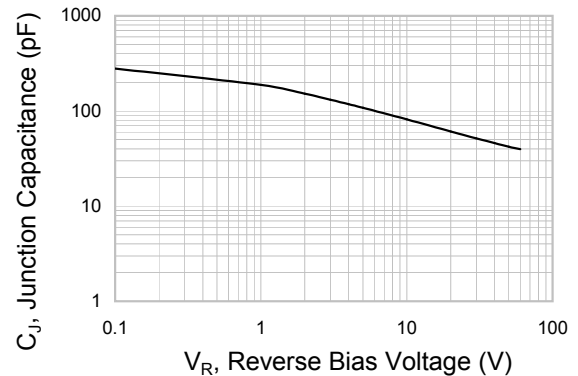


Fig.2 Typical Junction Capacitance

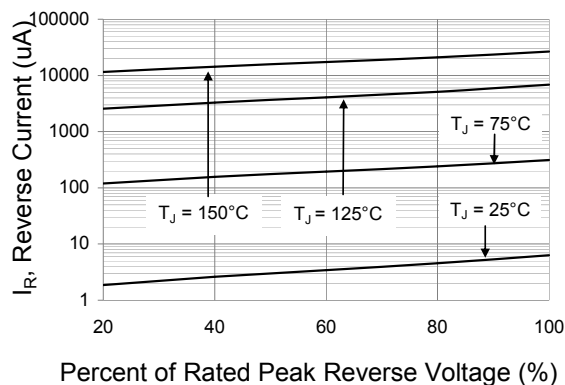


Fig.3 Typical Reverse Characteristics

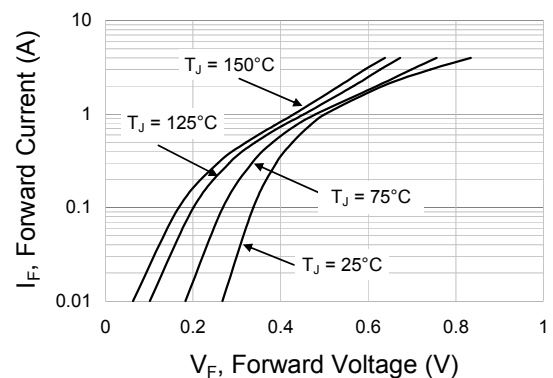


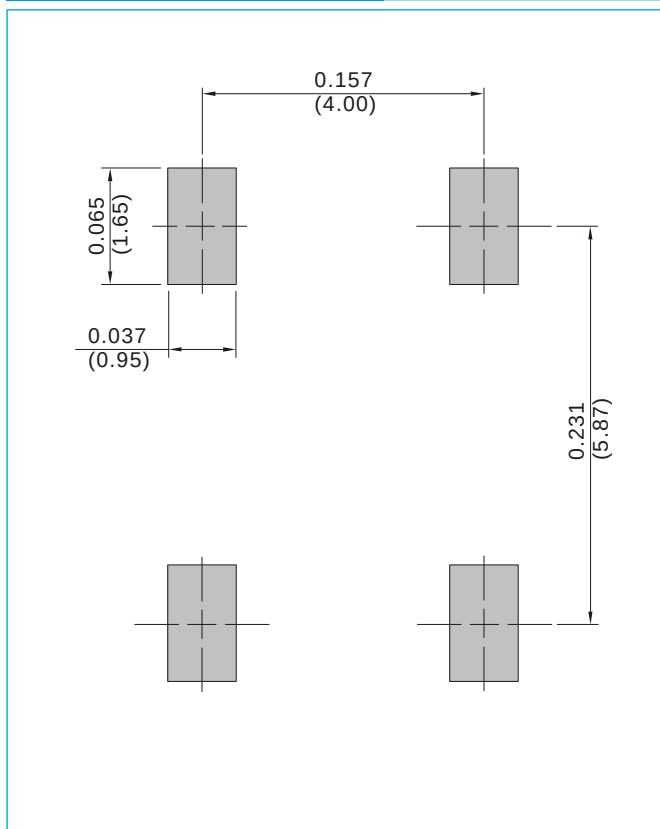
Fig.4 Typical Forward Characteristics

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MOUNTING PAD LAYOUT

MICRO DIP / TDI

Unit : inch(mm)



ORDER INFORMATION

- Packing information
 - T/R - 4K per 13" plastic Reel
 - T/R - 1K per 7" plastic Reel

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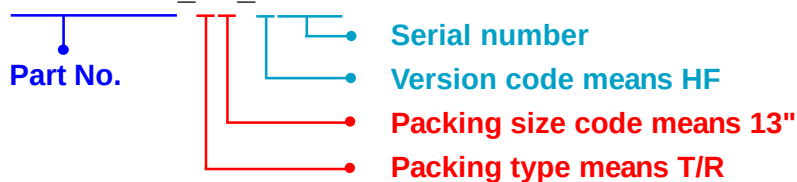
Part No_packing code_Version

TS260S_R1_00001

TS260S_R2_00001

For example :

RB500V-40 **R2** **00001**



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	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			



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