



SURFACE MOUNT SCHOTTKY DIODES

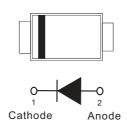
VOLTAGE 40 Volt CURRENT 0.2 Ampere

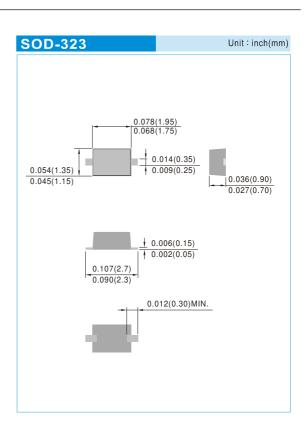
FEATURES

- · Fast switching speed
- Surface mount package ideally suited for automatic insertion
 Electrical identical standard JEDEC
- · High conductor
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- · Case: SOD-323, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.00014 ounces, 0.0041 grams
- · Polarity:Color band denotes cathode end
- · Marking: S40





ABSOLUTE RATINGS (Ta=25°C unless otherwise noted)

PARAMETER	SYMBOL	LIMITS	UNITS
Reverse Voltage	VR	40	V
Peak Reverse Voltage	VRRM	40	V
Average Rectified Current at Temp=25°C	lF	0.2	А
Non-repetitive Peak Forward Surge Current at t=1ms	Іғѕм	4	А

THERMAL CHARACTERISTICS (Ta=25°C unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNITS
Power Dissipation	P _{TOT}	225	mW
Thermal Resistance , Junction to Ambient	R _{eJA}	556	°C/W
Operating Junction Temperature and Storage Temperature	T _J ,T _{STG}	-55 to 150	°C



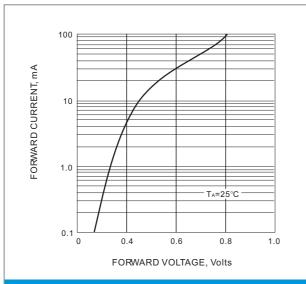


ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Reverse Breakdown Voltage	VBR	I _R =10 A	40			٧
Reverse Current	lR	VR=25 V VR=40 V			1.0 10	А
Forward Voltage	VF	IF=1.0mA IF=10mA IF=40mA			0.38 0.50 1.00	V
Total Capacitance	Ст	V _R =0V, f=1.0MHz		1	5.0	pF







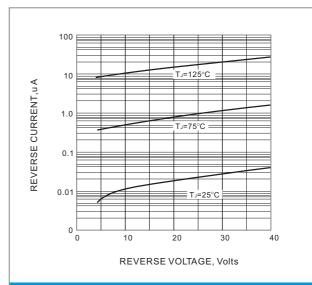
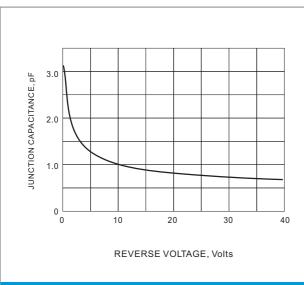


FIG. 2 TYPICAL REVERSE CHARACTERISTICS



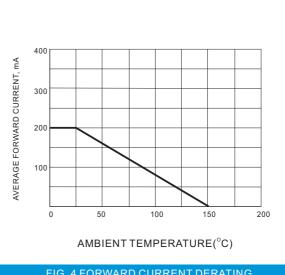
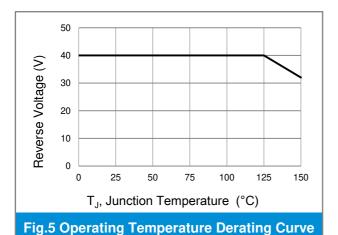


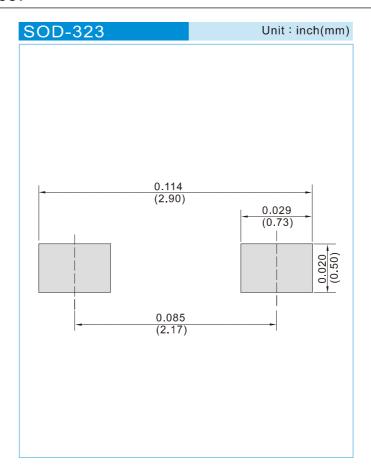
FIG. 4 FORWARD CURRENT DERATING







MOUNTING PAD LAYOUT



ORDER INFORMATION

· Packing information

T/R - 12K per 13" plastic Reel

T/R - 5K per 7" plastic Reel





Part No_packing code_Version

BAS40WS_R1_00001 BAS40WS_R2_00001

For example:



Packing Code XX			Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1st Code	2 nd ~5 th 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			





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