ULTRA LOW VF SCHOTTKY RECTIFIER

CURRENT

VOLTAGE

FEATURES

- · Ideal for automated placement
- · Ultra low forward voltage drop, low power losses

60 Volt

- High efficiency operation
- · Low thermal resistance
- Ultra thin profile package for space constrained utilization
- Package suitable for automated handling
- · Lead free in comply with EU RoHS 2011/65/EU directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

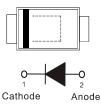
Case : SOD-123HE, Plastic

Terminals : Solderable per MIL-STD-750, Method 2026

Polarity : Color band denotes cathode end

Weight : 0.00015 ounces, 0.00424 grams

Marking : SMV



3 Ampere

SOD-123HE

075(190)

0.114(2.90) 0.106(2.70)

0.154(3.90) 0.137(3.50)

0.091(2.30)

0.046(1.15) 0.033(0.85)

<u>+ 0.012(0.30)</u> + 0.007(0.20)

0.048(1.20)

Unit : inch(mm)

0.040(1.00)

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

PARAMETER		SYMBOL	VALUE	UNIT
Maximum Recurrent Peak Reverse Voltage		Vrrm	60	V
Maximum RMS Voltage		Vrms	42	V
Maximum DC Blocking Voltage		VR	60	V
Maximum Average Rectified Output Current		l f(AV)	3	А
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load		IFSM	80	А
Typical Junction Capacitance (VR=4V, f=1MHz)		CJ	200	pF
Typical Thermal Resistance	(Note 1) (Note 2)	Røjl Røja	15 170	°C/W
Operating Junction Temperature Range And Storage Temperature Range		Тј,Тѕтс	-55 to + 150	°C

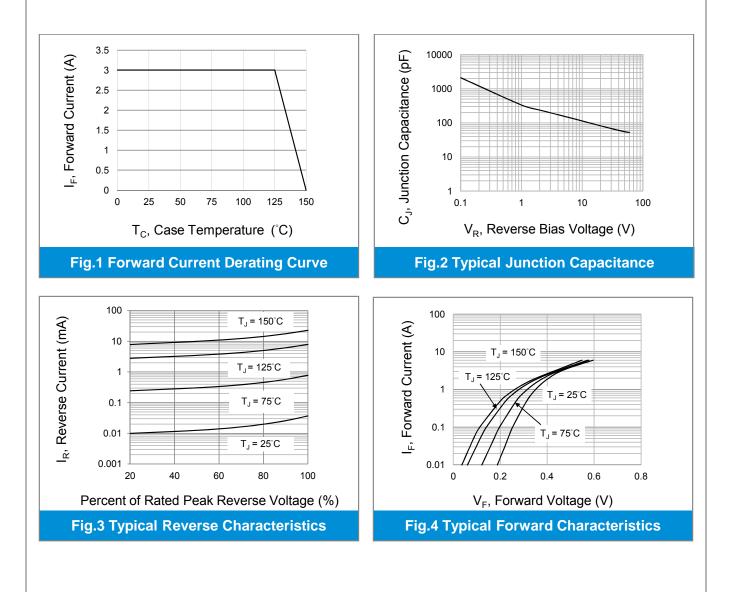
NOTES:1.Mounted on a FR4 PCB, single-sided copper, with 100cm² copper pad area 2.Mounted on a FR4 PCB, single-sided copper, mini pad.



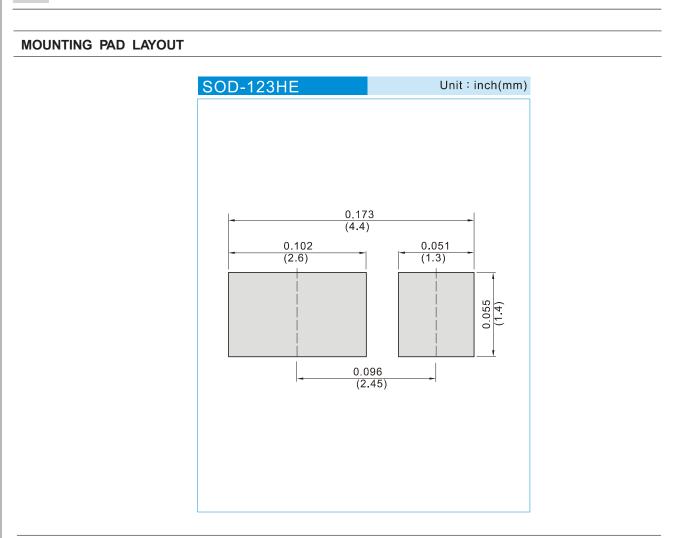
SSM3060VHE

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

PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Breakdown voltage	Vbr	I R=0.5mA		60	-	-	V
Instantaneous forward voltage	VF	F=1A F=2A F=3A F=1A F=2A	TJ=25°C TJ=125°C		0.35 0.41 0.46 0.28 0.36	- 0.5 -	v v
Reverse current	l r	VR=48V		-	20	-	μΑ
		VR=60V	Tյ=25°C Tj=125°C	-	- 8	220 -	μA mA



SSM3060VHE



ORDER INFORMATION

Packing information
T/R - 10K per 13" plastic Reel
T/R - 3K per 7" plastic Reel





SSM3060VHE

Part No_packing code_Version

SSM3060VHE_R1_00001 SSM3060VHE_R2_00001

For example :

RB500V-40_R2_00001



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 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)	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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