

BR26-AU~BR215-AU

MINI SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE 60 to 150 Volt **CURRENT** 2 Ampere

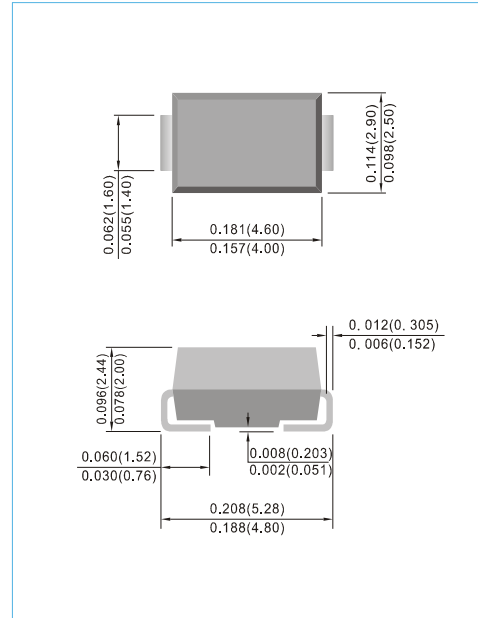
SMA / DO-214AC Unit : inch(mm)

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications in order to optimize board space
- Low power loss, high efficiency
- High surge capacity
- Lead free in compliance with EU RoHS2.0 (2011/65/EU & 2015/865/EU directive)
- Green molding compound as per IEC61249 Std. . (Halogen Free)
- AEC-Q101 qualified

MECHANICAL DATA

- Case : JEDEC DO-214AC molded plastic
- Terminals : Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity : Color band denotes cathode end
- Standard packaging : 12mm tape (EIA-481)
- Weight : 0.0023 ounces, 0.0679 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load.

PARAMETER	SYMBOL	BR26-AU	BR28-AU	BR29-AU	BR210-AU	BR215-AU	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	60	80	90	100	150	V
Maximum RMS Voltage	V _{RMS}	42	56	63	70	105	V
Maximum DC Blocking Voltage	V _{DC}	60	80	90	100	150	V
Maximum Average Forward Current (See Figure 1)	I _{F(AV)}	2					A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	50					A
Maximum Forward Voltage at 2A (Notes 1)	V _F	0.7	0.8			0.9	V
Maximum DC Reverse Current at Rated DC Blocking Voltage T _J =25°C T _J =100°C	I _R	0.05 20					mA
Typical Thermal Resistance (Notes 2) (Notes 3)	R _{θJL} R _{θJA}	25 150					°C / W
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 to +175					°C

NOTES :

1. Pulse Test with PW =300μsec, 1% Duty Cycle.
2. Mounted on a FR4 PCB, single-sided copper, with 100cm² copper pad area.
3. Mounted on a FR4 PCB, single-sided copper, mini pad.

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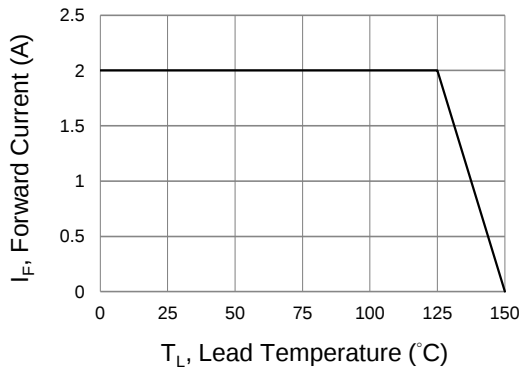


Fig.1 Forward Current Derating Curve

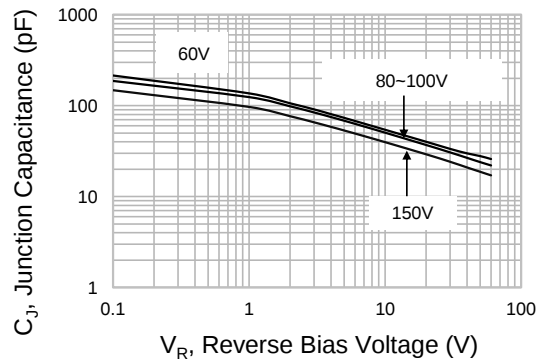


Fig.2 Typical Junction Capacitance

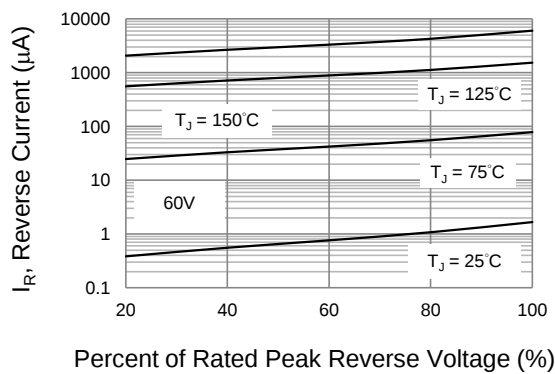


Fig.3 Typical Reverse Characteristics

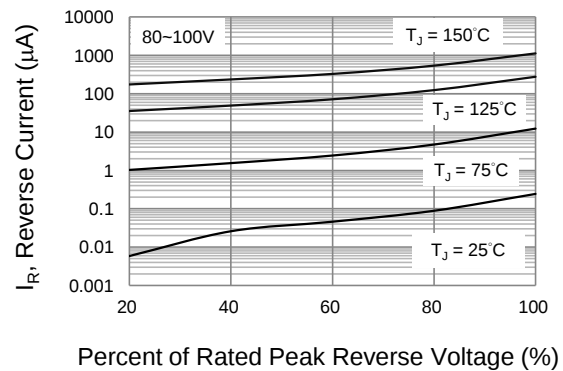


Fig.4 Typical Reverse Characteristics

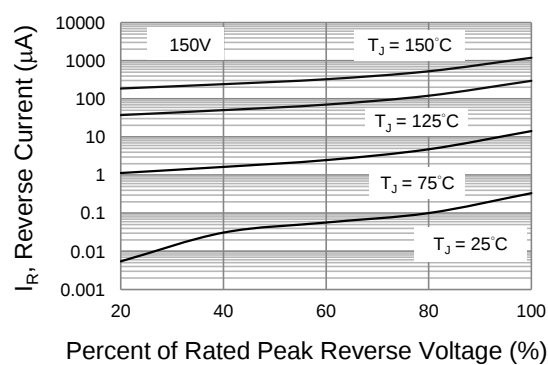


Fig.5 Typical Reverse Characteristics

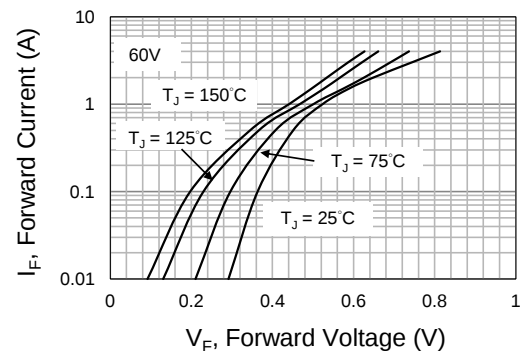


Fig.6 Typical Forward Characteristics

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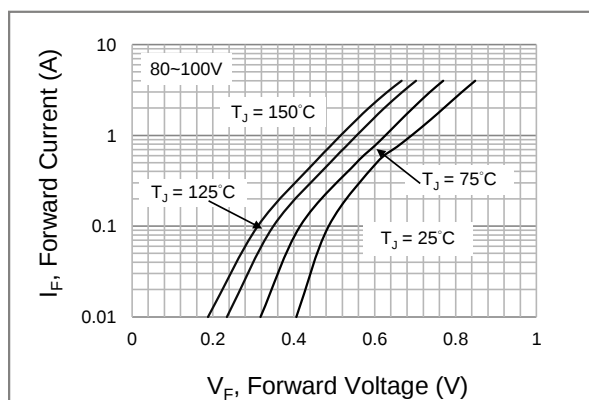


Fig.7 Typical Forward Characteristics

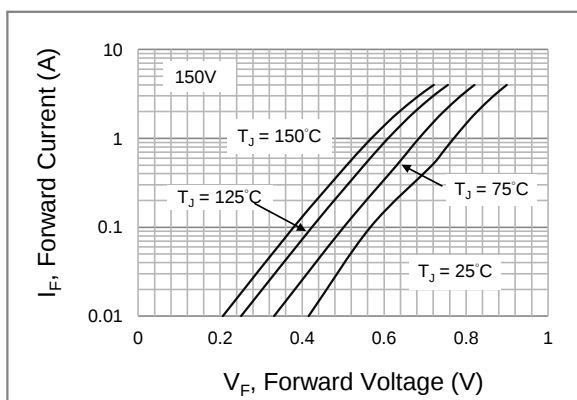


Fig.8 Typical Forward Characteristics

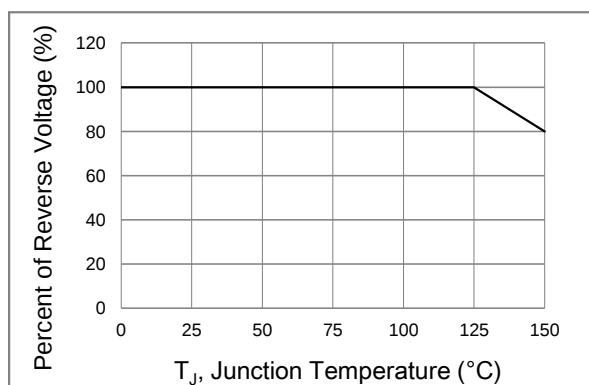
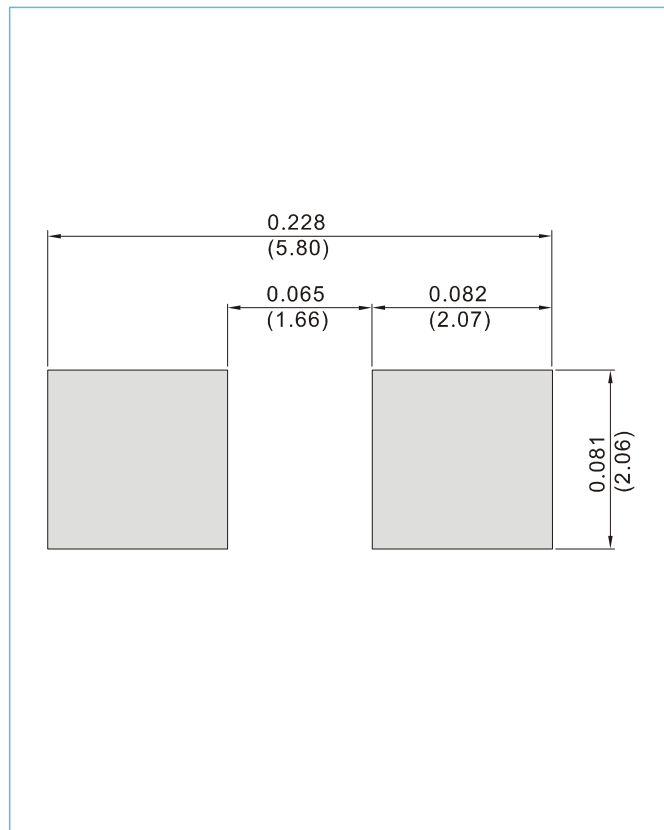


Fig.9 Operating Temperature Derating Curve

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MOUNTING PAD LAYOUT

SMA / DO-214AC Unit : inch(mm)



ORDER INFORMATION

- Packing information
 - T/R - 7.5K per 13" plastic Reel
 - T/R - 1.8K per 7" plastic Reel

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Part No_packing code_Version

BR26-AU_R1_000A1

BR26-AU_R2_000A1

For example :

RB500V-40_R2_00001

Part No.

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)	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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