

/ Descriptions

50V~1000V 2.0A SMBF
Surface Mount Superfast Recovery Rectifier,Reverse Voltage 50 to1000V,Forward Current:2.0A,
SMBF thin package.

/ Features

RoHS 2011/65/EU
Glass Passivated Chip Junction,Fast reverse recovery time,Lead free in comply with EU R0HS
2011/65/EU directives,For surface mounted applications.Halogen free product.

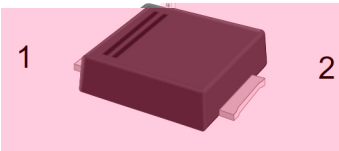
/ Applications

General purpose.

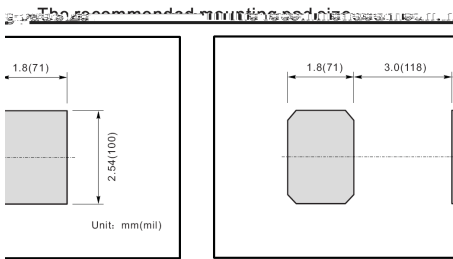
/ Equivalent Circuit



/ Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode



/ Marking

See Marking Instructions.

RS2ABF~RS2MBF

Rev.E May.-2019



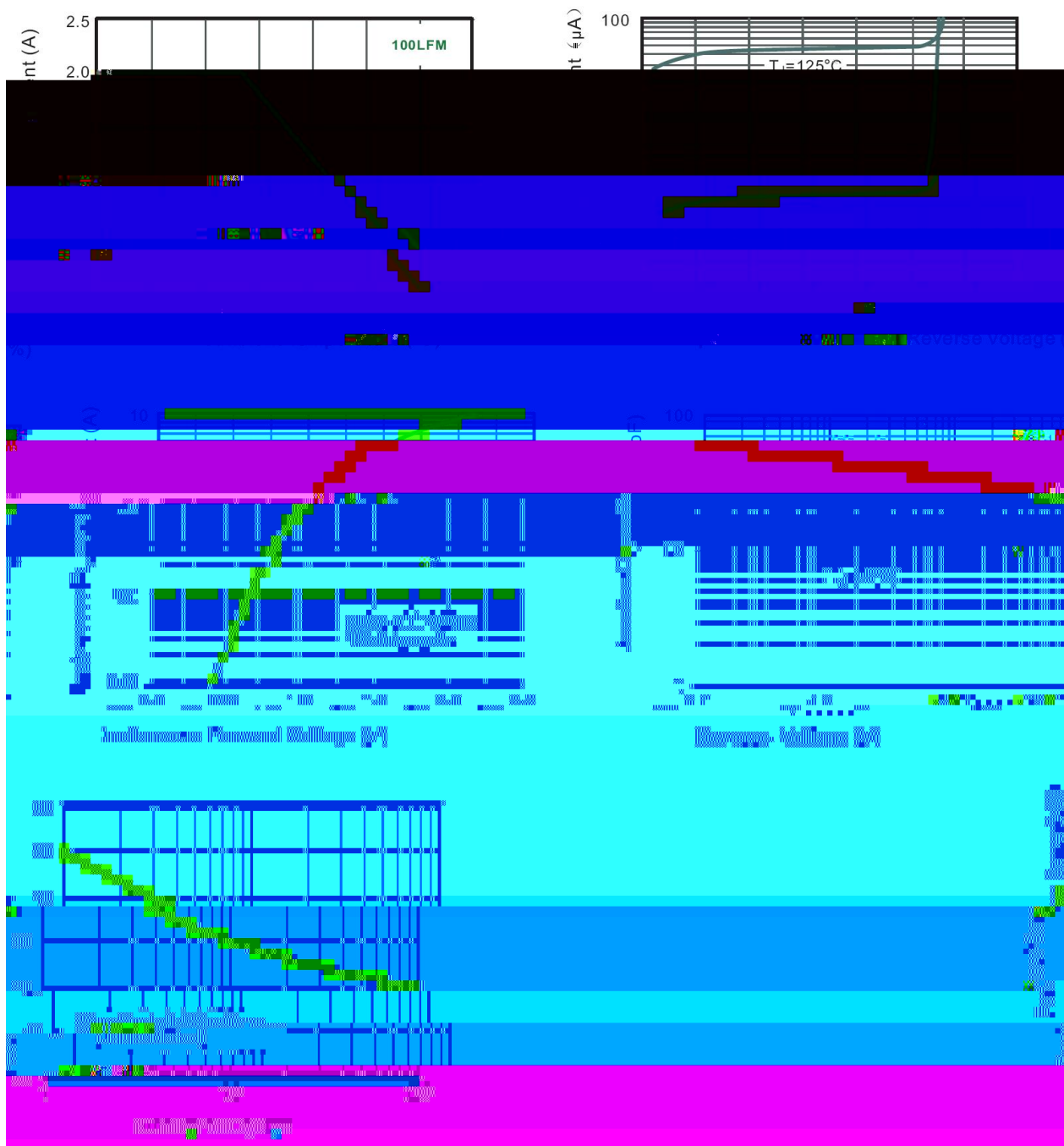
蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

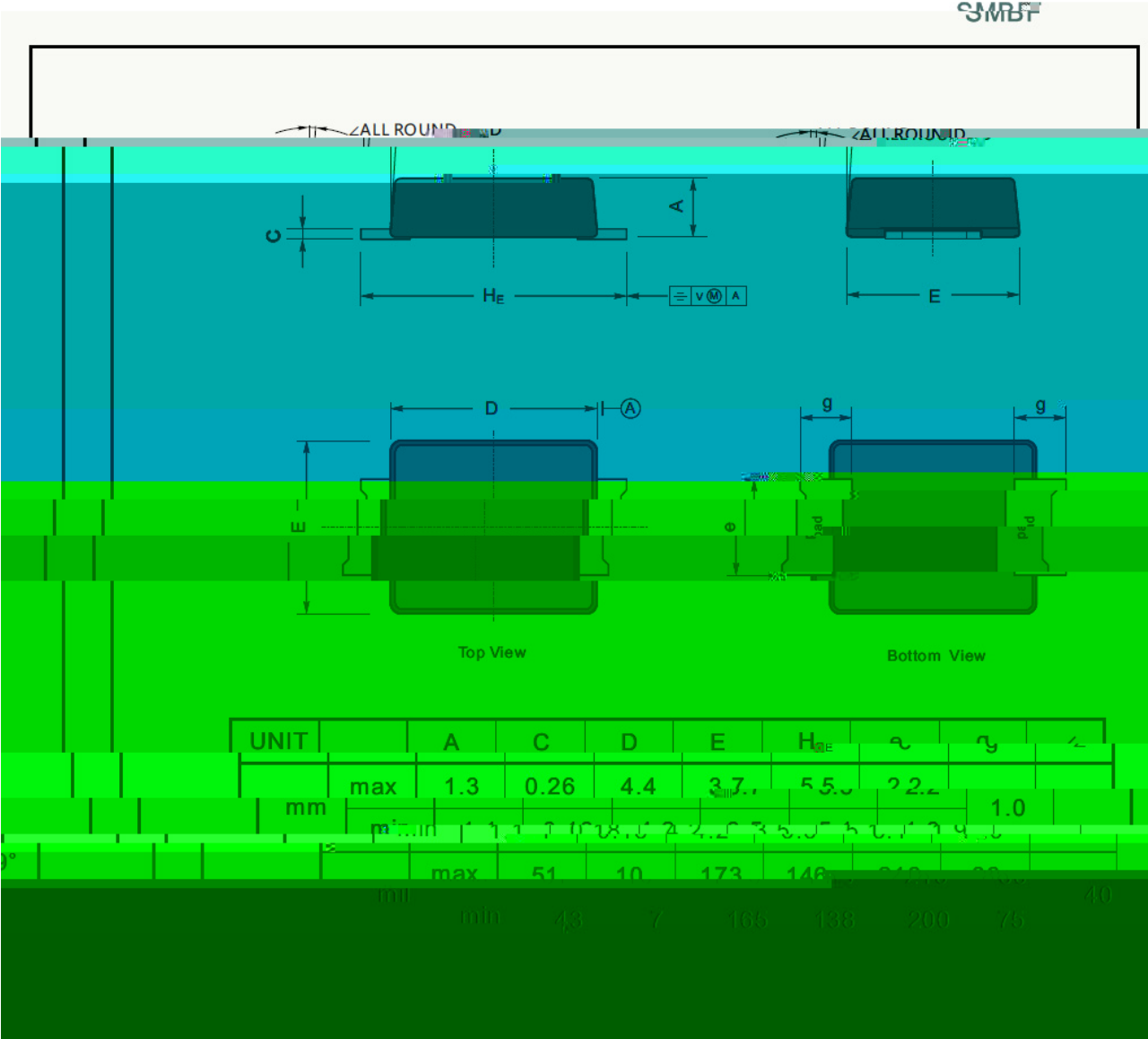
Parameter	Symbol	Rating							Unit
		RS2ABF	RS2BBF	RS2DBF	RS2GBF	RS2JBF	RS2KBF	RS2MBF	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at T _a =65	I _{F AV}	2.0							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	50							A
Typical Junction Capacitance _{at VR=4V, f=1MHz}	C _j	28							pF
Typical Thermal Resistance ₂	R _{Θja}	60							/W
	R _{JC}	18							

C2j2

/ Electrical Characteristic Curve



/ Package Dimensions

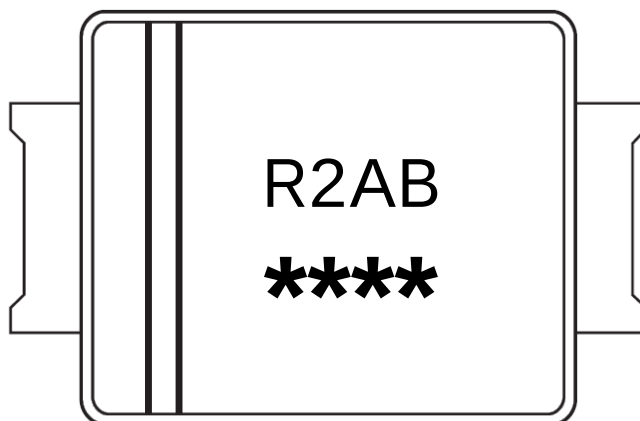


/ Marking Instructions

Marking

Type number	Marking code
R2BBF	RS2BBF
R2DBF	RS2DBF
R2GBF	RS2GBF
R2JBF	RS2JBF
R2KBF	RS2KBF

/ Marking Instructions



R2AB

1 *

3 *

Note:

R2AB Product Type Code

***** Lot No. Code The 1st * means:YM Code The last 3 * means:little Lot No Code



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