



**/ Absolute Maximum Ratings(Ta=25 )**

Parameter	Symbol	Rating	Unit
Peak pulse power (tp = 8/20μs)	PK	69	W
Peak pulse current (tp = 8/20μs)	IPP	5.5	A
ESD according to IEC61000-4-2 air discharge	VESD	±15	KV
ESD according to IEC61000-4-2 contact discharge		±8	
Junction temperature	TJ	150	
Storage temperature	TSTG	-55~+150	

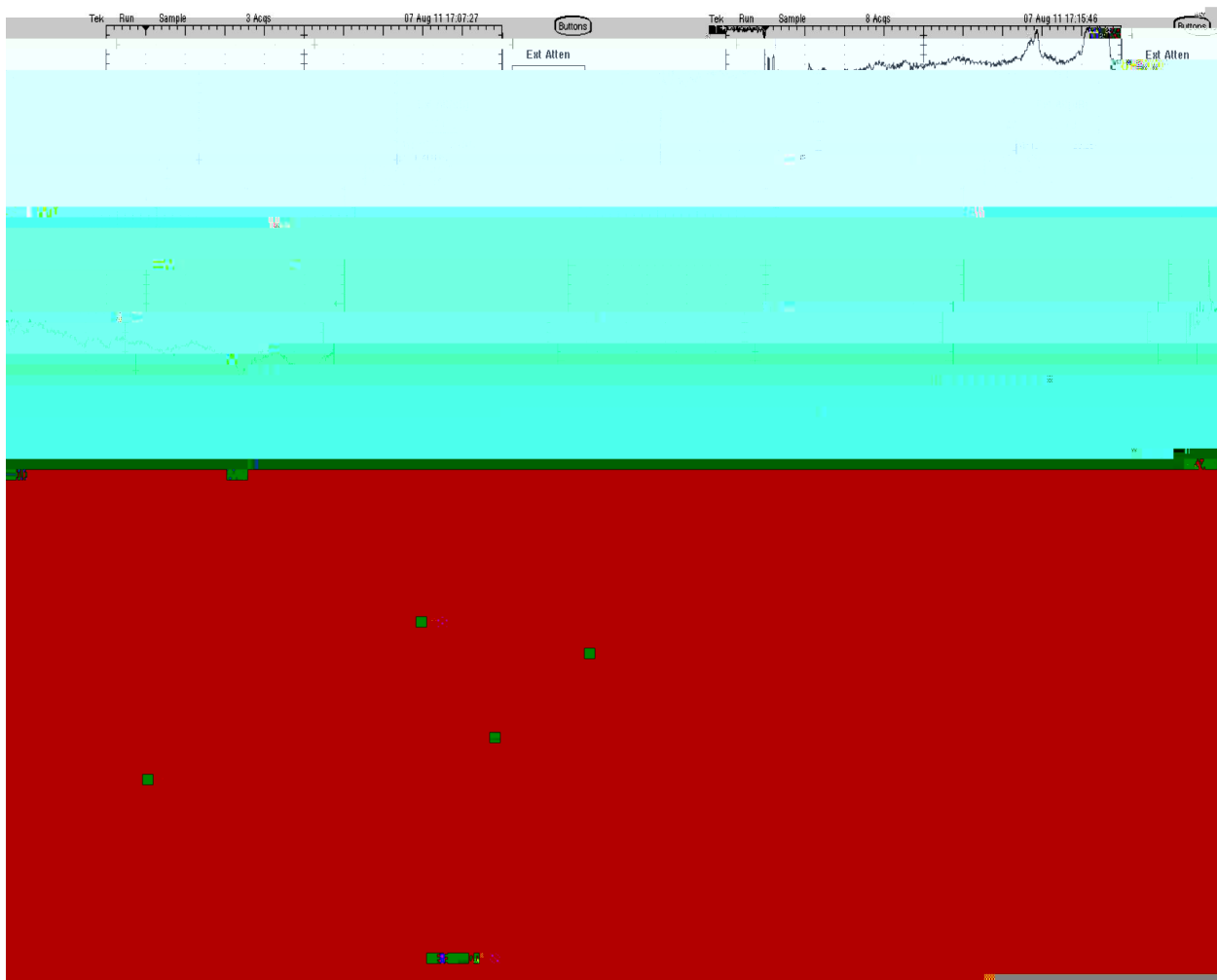
**/ Electrical Characteristics(Ta=25 )**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	VRWM				5.0	V
Reverse leakage current	IR	VRWM = 5V			0.5	uA
		VRWM = 3.5V			0.3	uA
Reverse breakdown voltage <sup>1)</sup>	VBR	IT = 1mA	5.6			V
Clamping voltage <sup>2)</sup>	VC	IPP = 1A    tp = 8/20μs			9.8	V
		IPP = 5.5A    tp = 8/20μs			12.5	V
Junction capacitance	CJ	VR = 0V    f = 1MHz			15	pF

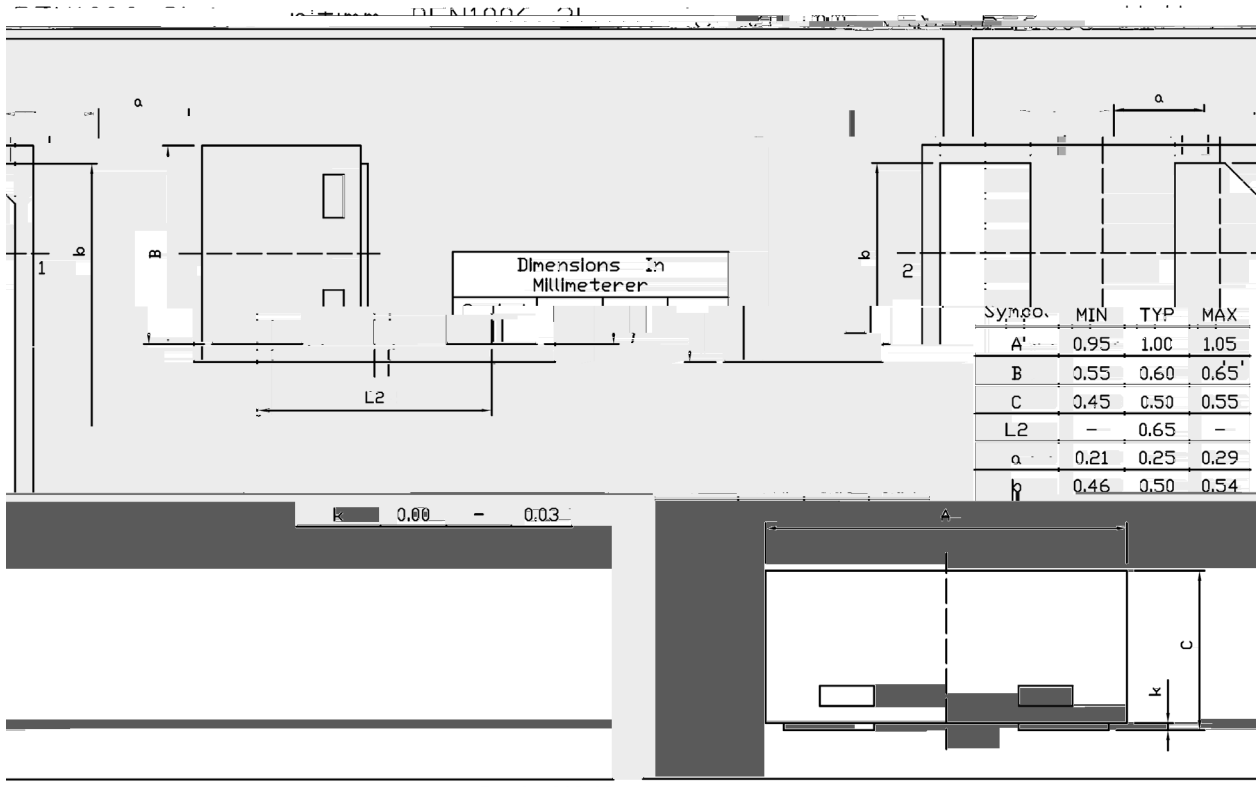
Notes:

- 1) VBR is measured with a pulse test current IT at an ambient temperature of 25 .
- 2) Non-repetitive current pulse, according to IEC61000-4-5.

/ **Electrical Characteristic Curve**



**/ Package Dimensions**



Rev.01. 202108

# BRES5V0L1B2ZPQ

Rev.A Sep.-2022



蓝箭电子  
BLUE ROCKET ELECTRONICS

DATA SHEET

## / Marking Instructions

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Note

# **BRES5V0L1B2ZPQ**

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