

BRES5V0L1B2ZAQ

Rev.B Oct.-2023

DATA SHEET

@ f Parameter	... Z Symbol	f › Rating	% y Unit
Peak pulse power (t _p = 8/20 s)	P _K	35	W
Peak pulse current (t _p = 8/20 s)	I _{PP}	5.5	A
ESD according to IEC61000-4-2 air discharge	V _{ESD}	±30	KV
ESD according to IEC61000-4-2 contact discharge		±30	
Junction temperature	T _J	150	
Storage temperature	T _{STG}	-55~+150	

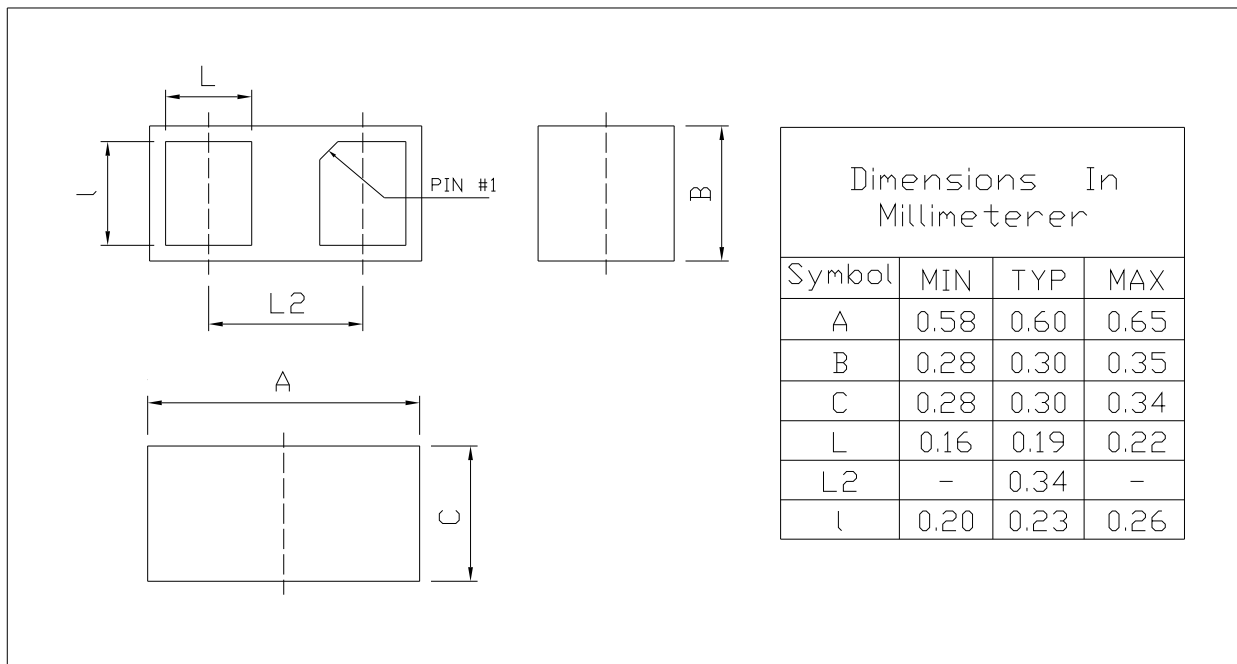
@ f Parameter	... Z Symbol	y Ú ^ Test Conditions	Â 4 › Min	Á ° › Typ	Â Ý › Max	% y Unit
Reverse maximum working voltage	V _{RWM}				5.0	V
Reverse leakage current	I _R	V _{RWM} = 5V			0.5	uA
		V _{RWM} = 3.5V			0.3	uA
Reverse breakdown voltage ¹⁾	V _{BR}	I _T = 1mA	5.6			V
Clamping voltage ²⁾	V _C	I _{PP} = 1A t _p				

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø □ =) φ / Package Dimensions

DFN0603

Unit:mm



Rev.02 202102



šWD t...•Žç (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

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Note:

- 1o• Ä ½ “ † 150 ½200 - k ž • 60 ½120sec; 1.Preheating:150~200 - , Time:60~120sec.
- 2o• Q › “ † 255 r5 - k ž • 4 Ò 5 r0.5sec; 2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.
- 3o•D N ò i Ò 0 , † 2 ½10 - /sec. 3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ~ »] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 - ž • y 10 r1 sec. Temp.:260±5 Time:10±1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ~ E	Units ;>û ;H					Dimension ;>û p . (unit Åmm³)		
	Units/Reel / --	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Boxç
DFN0603	15,000	10	150,000	4	600,000	7 s x8	210x205x205	445x435x230

„ Æ y f / Notices