

BRES3V3L1B2ZAQ

Rev.A Mar.-2023

DFN0603

ESD

DFN0603 Plastic Package 1-Line,Bi-directional , ESD Protection Diode.

BRES3V3L1B2ZAQ

Rev.A Mar.-2023



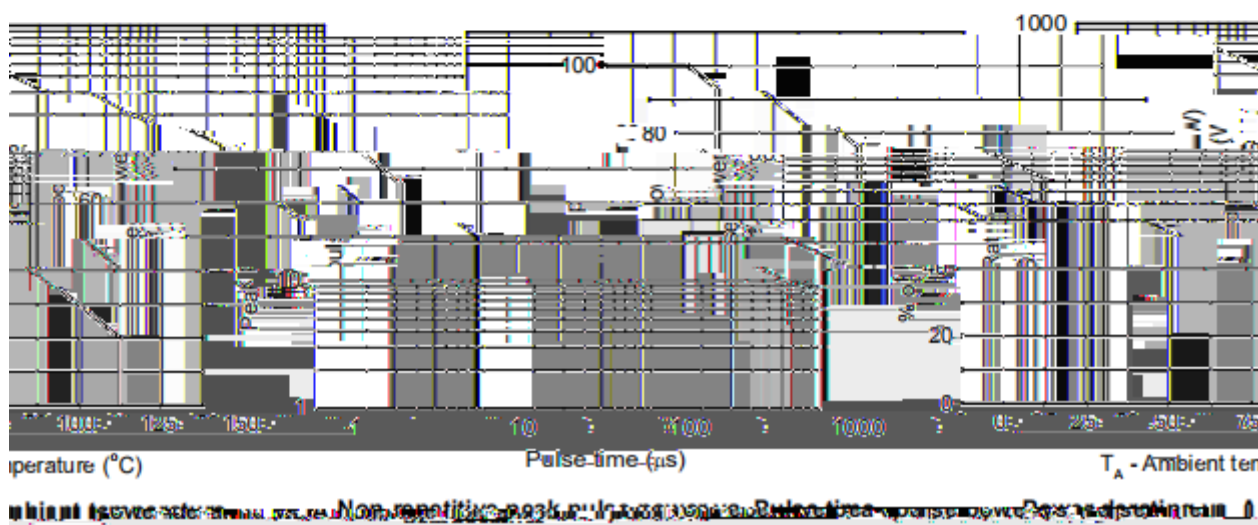
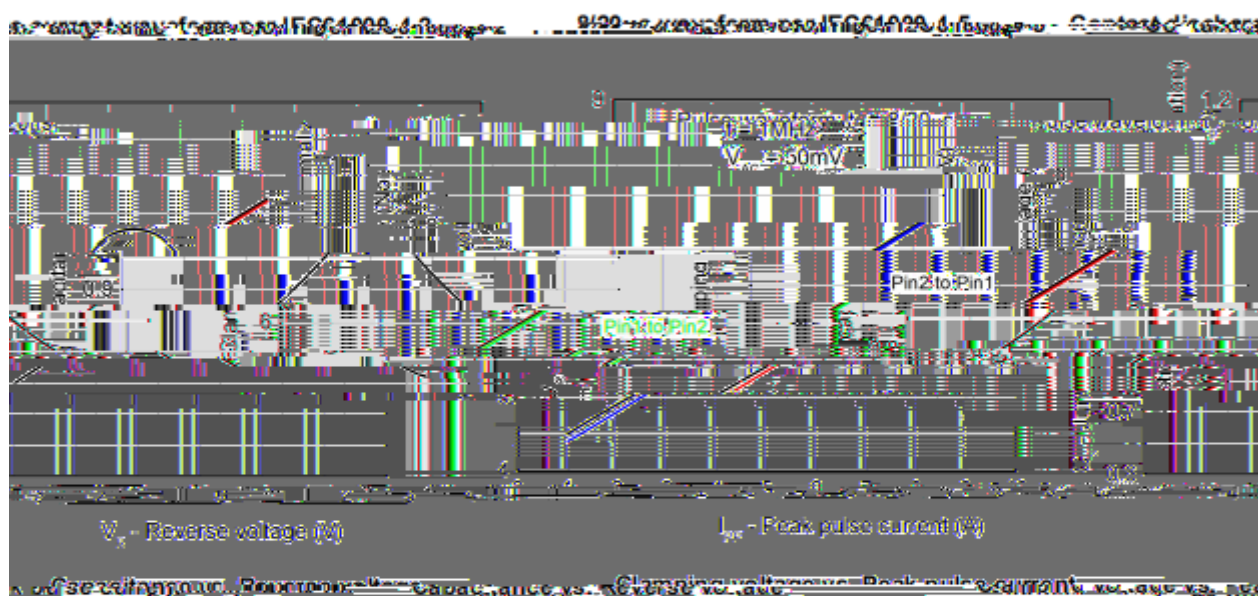
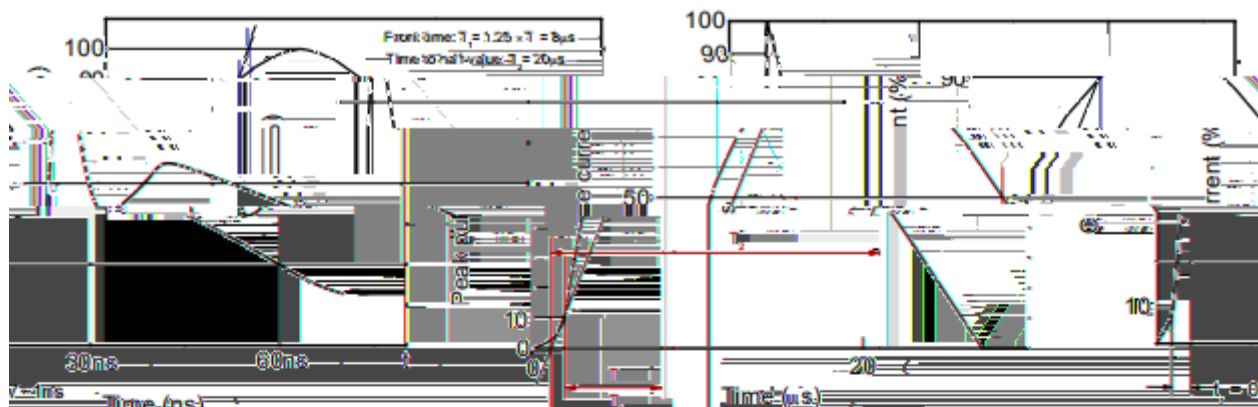
蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

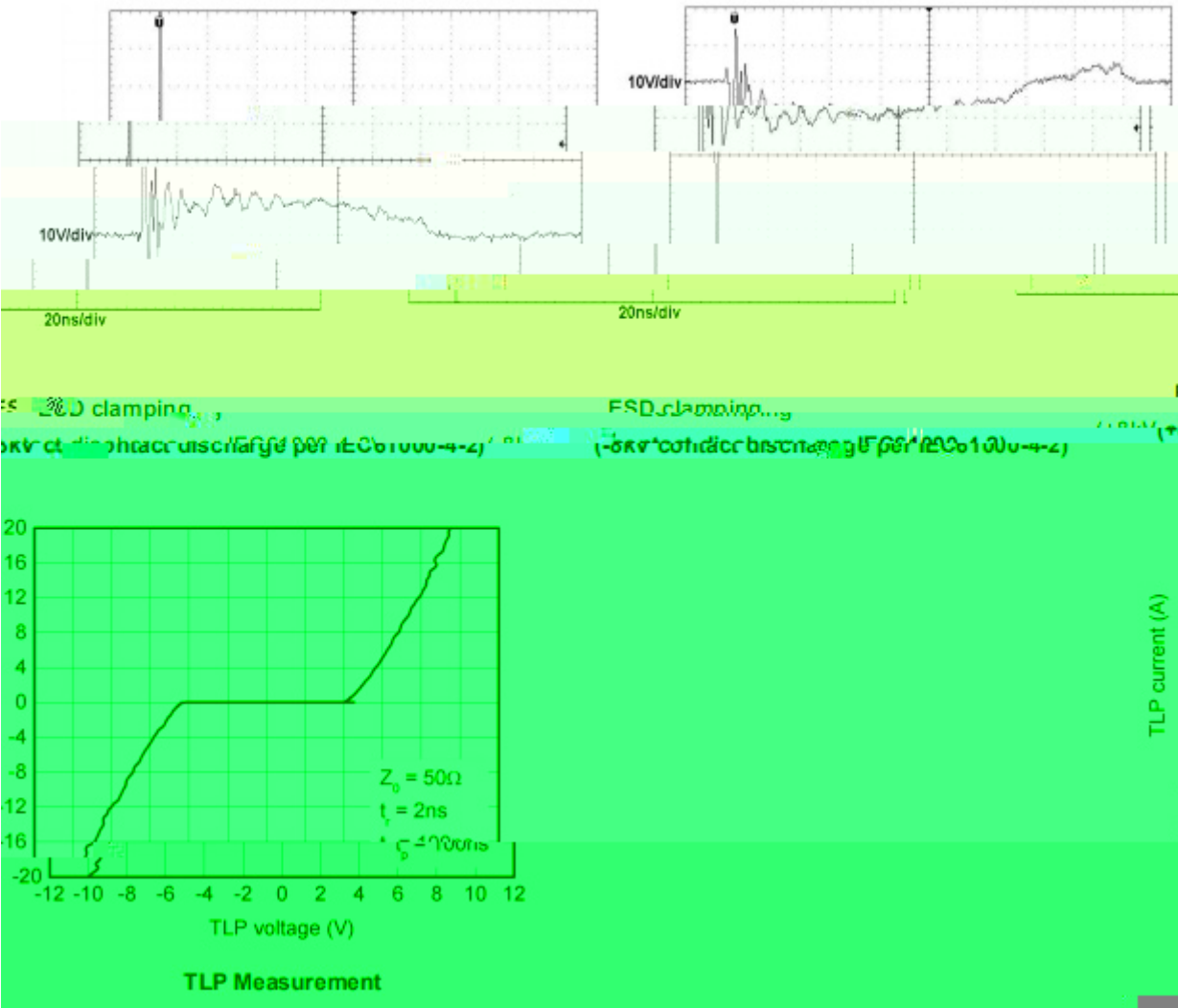
Definitions of electrical characteristics

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}				± 3.3	V
Reverse leakage current	I_R	$V_{RWM} = 3.3V$			100	nA
Reverse breakdown voltage	V_{BR}	$I_{BR}=1mA$	3.5	4		V
Reverse holding voltage	V_{HOLD}	$I_{HOLD}=50mA$	3.5	4		V
Clamping voltage ¹⁾	V_{CL}	$I_{PP}=16A \quad t_p=100ns$		9.0		V
Dynamic resistance ¹⁾	R_{DYN}			0.2		
Clamping voltage ²⁾	V_{CL}	$V_{ESD}= 8kV$		9.0		V
Clamping voltage ³⁾	V_{CL}	$I_{PP} = 1A \quad t_p = 8/20 \text{ s}$		4.5	6	V
		$I_{PP} = 9A \quad t_p = 8/20 \text{ s}$		8	10	V

/ Electrical Characteristic Curve(Ta=25 -)



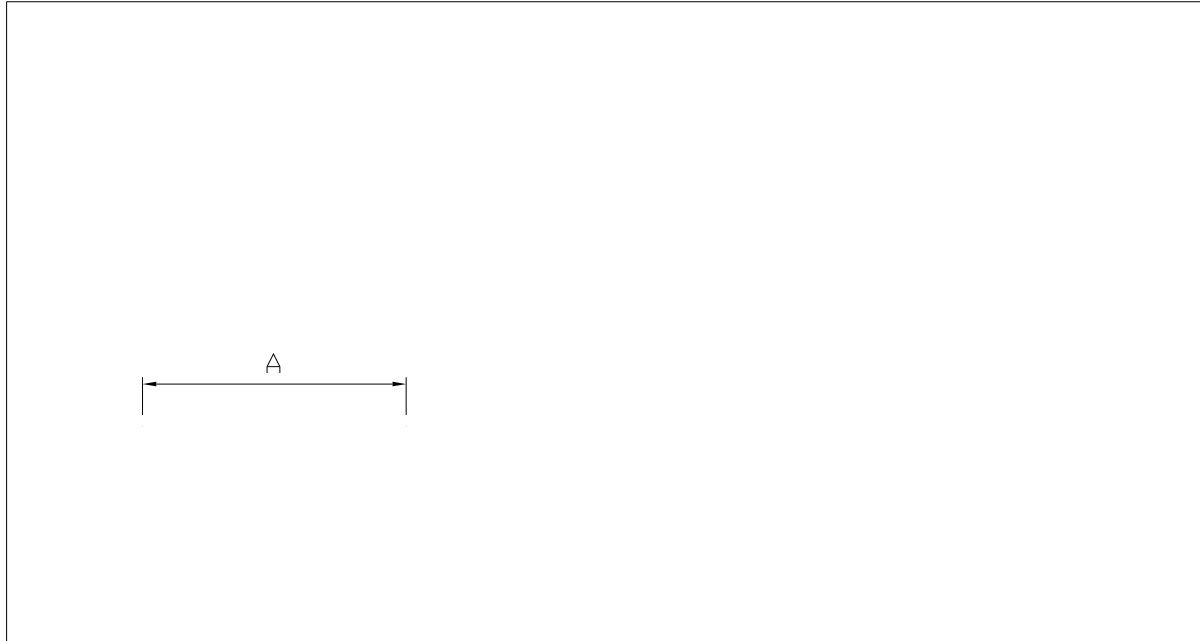
/ Electrical Characteristic Curve(Ta=25 -)



/ Package Dimensions

DFN0603

Unit:mm



Rev.02 202

BRES**D3V3L1B2ZAQ**

Rev.A Mar.-2023

DATA SHEET

BRES

D3V3L1B2ZAQ