

BRES24VM1U3XE

Rev.C May.-2026



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

TVS Array in a Plastic Package.


/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Peak Pulse Power (tp = 8/20μs)	P _{PP}	5100	W
Peak Pulse Current (tp = 8/20μs)	I _{PP}	150	A
ESD per IEC 61000-4-2 (Air)	V _{ESD1}	±30	kV
ESD per IEC 61000-4-2 (Contact)	V _{ESD2}	±30	kV
Operating Temperature	T _{OPR}	-55 to +150	
Storage Temperature	T _{STG}	-55 to +150	

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Stand-Off Voltage	V _{RWM}				24	V
Reverse Breakdown Voltage	V _{BR}	I _t =1mA	26		32	V
Reverse Leakage Current	I _R	V _{RWM} =24V T=25			1	μA
Clamping Voltage	V _C	I _{PP} =150A t _p =8/20μS			34	V
Capacitance. Any I/O pin to GND	C _J	V _R =0V f=1MHz		660		pF

/ Electrical Characteristic Curve

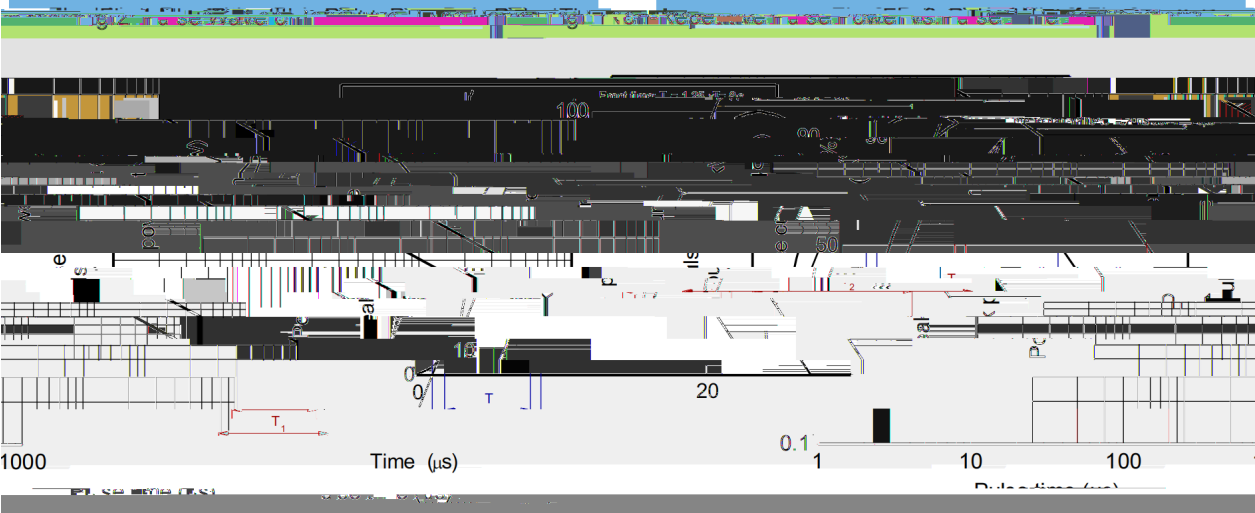
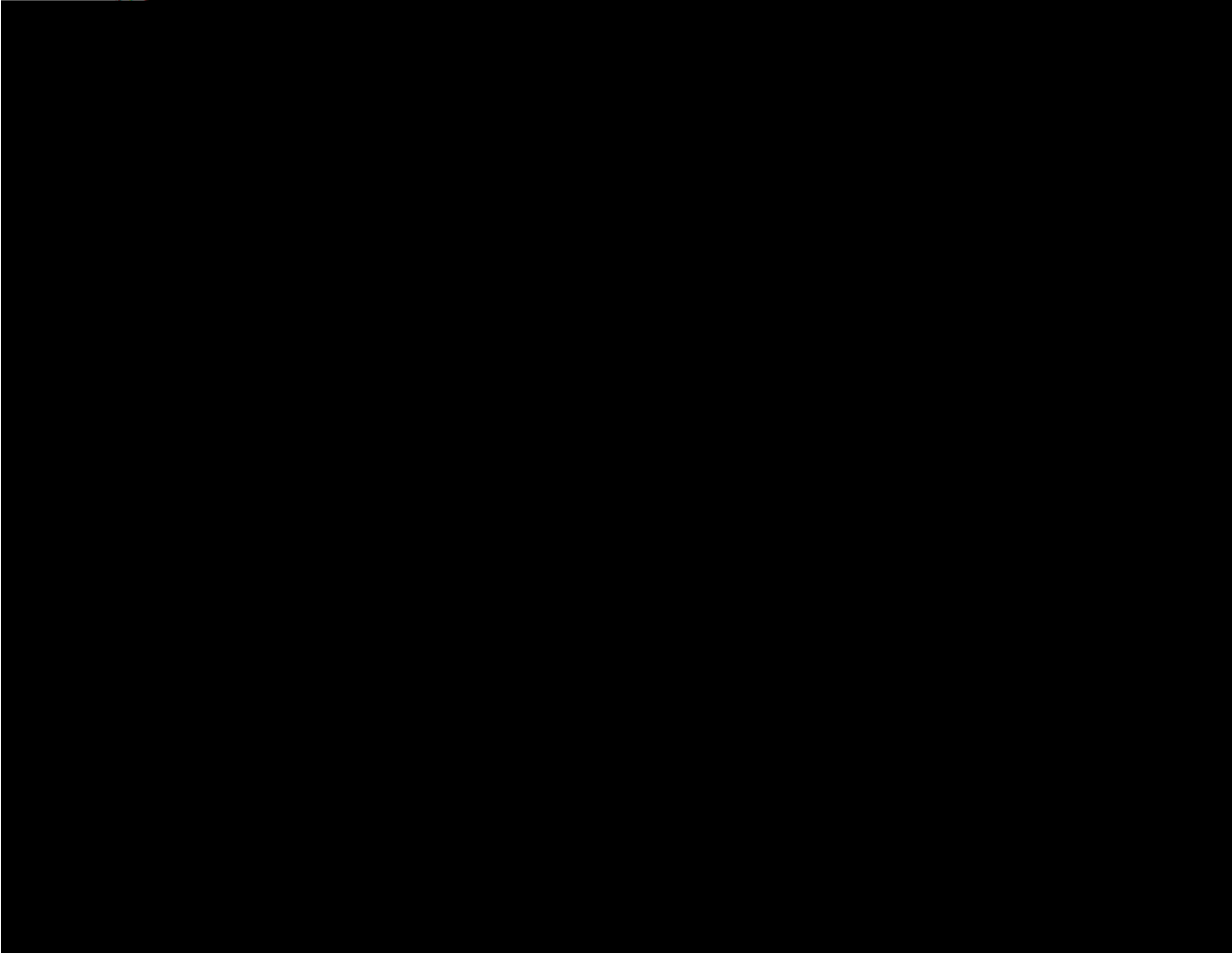
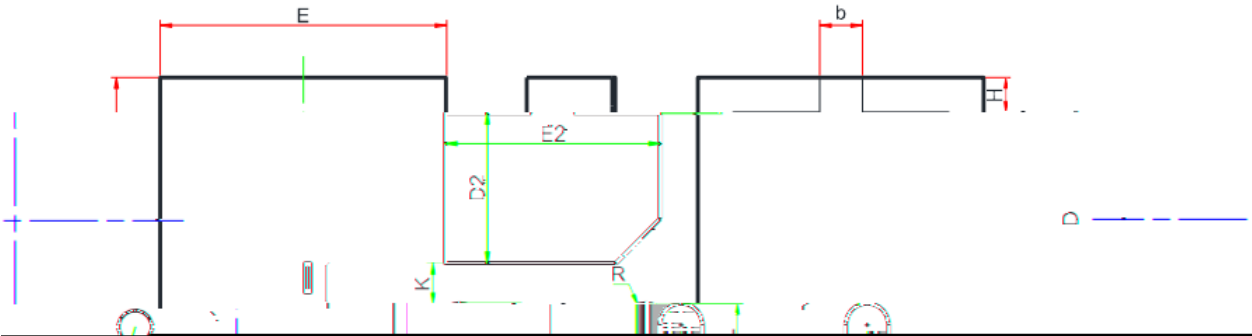


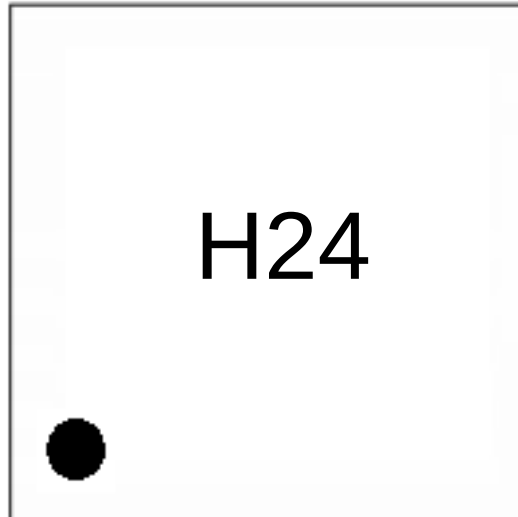
Fig.3 Contact discharge current waveform per EC61000-4-2



/ Package Dimensions



/ Marking Instructions



Note:

H24: Product Type Code



() / **Temperature Profile for IR Reflow Soldering(Pb-Free)**