

BRES24VM1U3XE

Rev.C May.-2026



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

TVS Array in a Plastic Package.

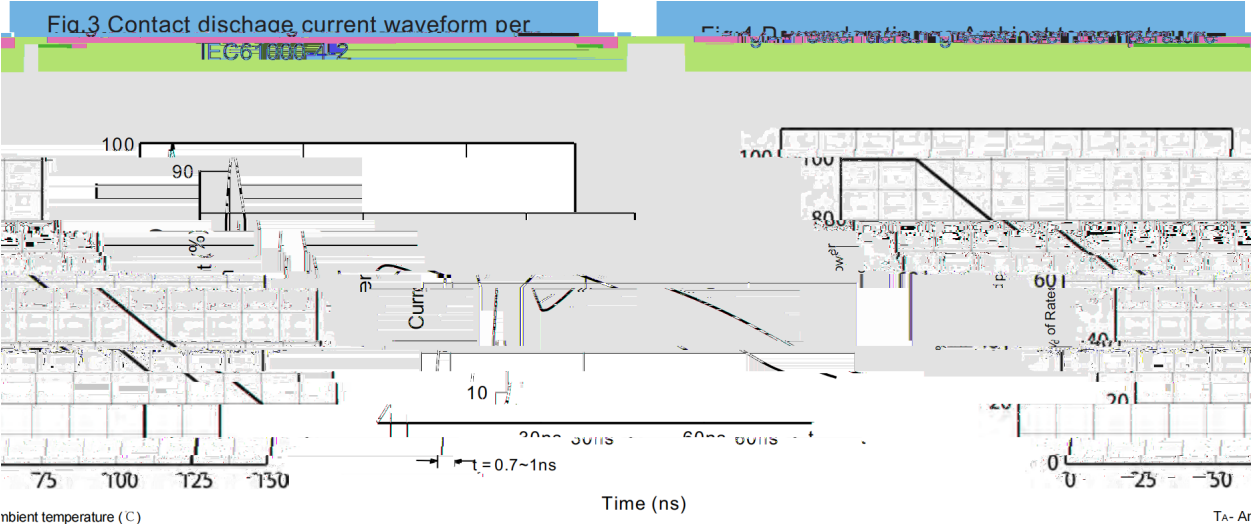
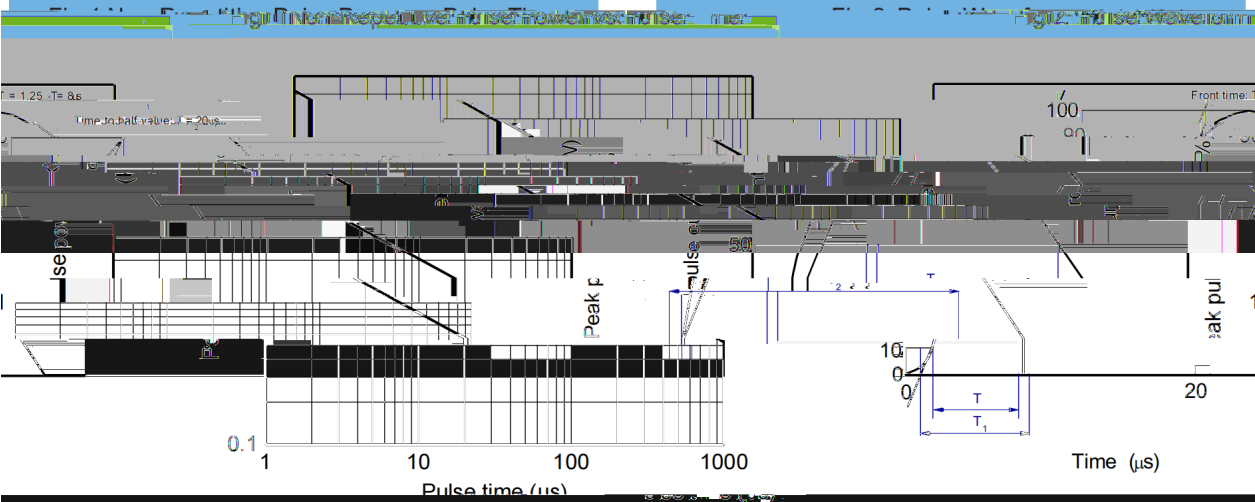
/ Absolute Maximum Ratings(Ta=25)

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

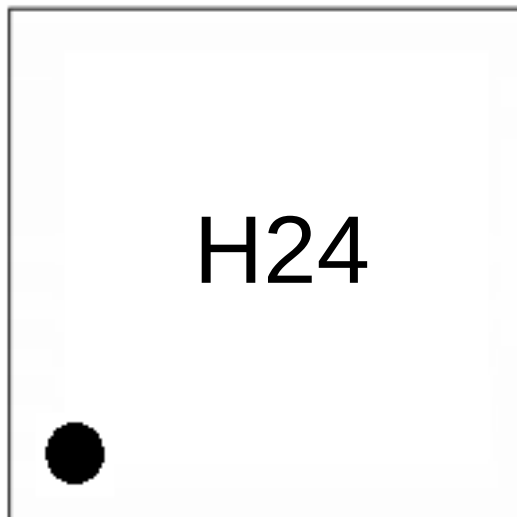


/ Package Dimensions





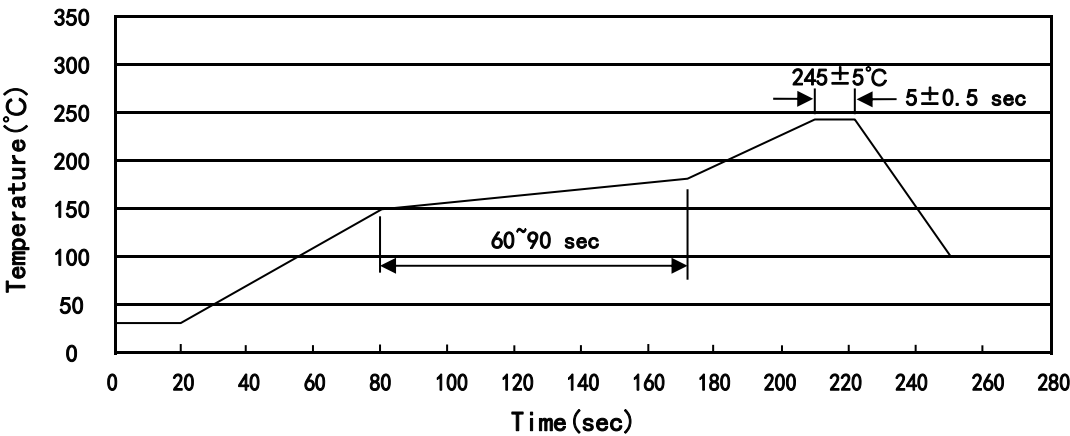
/ Marking Instructions



Note:

H24: Product Type Code

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



Note:

- 1

150 180

60 90sec;

1.Preheating:150~180 , Time:60~90sec.
- 2

245 5

5 0.5sec;

2.Peak Temp.:245 5 , Duration:5 0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 7~ 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 Box 1ç
DFN2×2-3L	4,000	10	40,000	4	160,000	7 ×8	210×205×205	445×435×230

/ Notices