

BRES24VM1U3XE

Rev.C May.-2026



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

TVS Array in a Plastic Package.

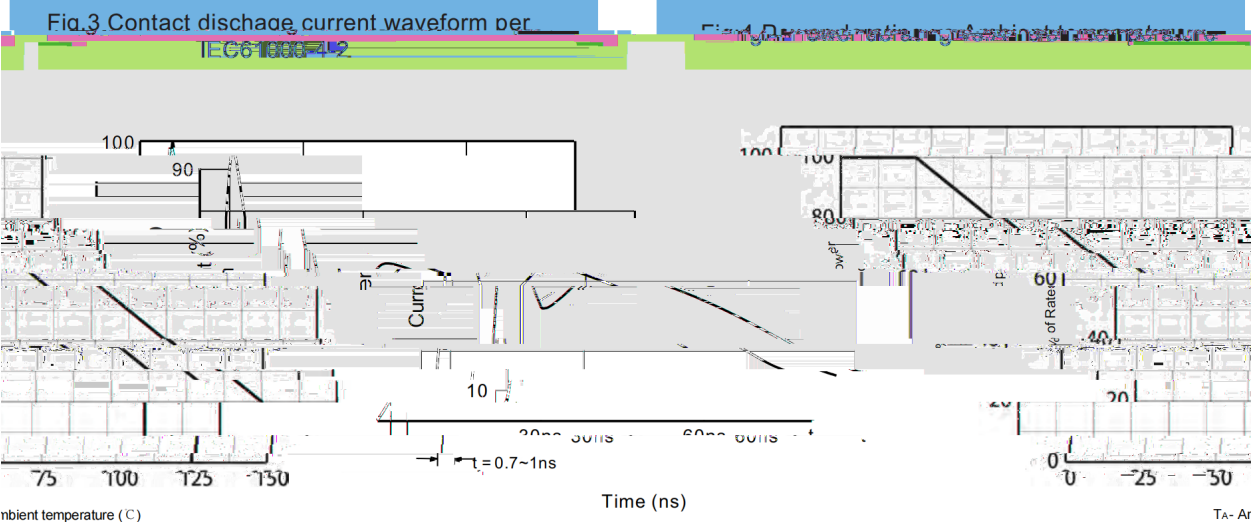
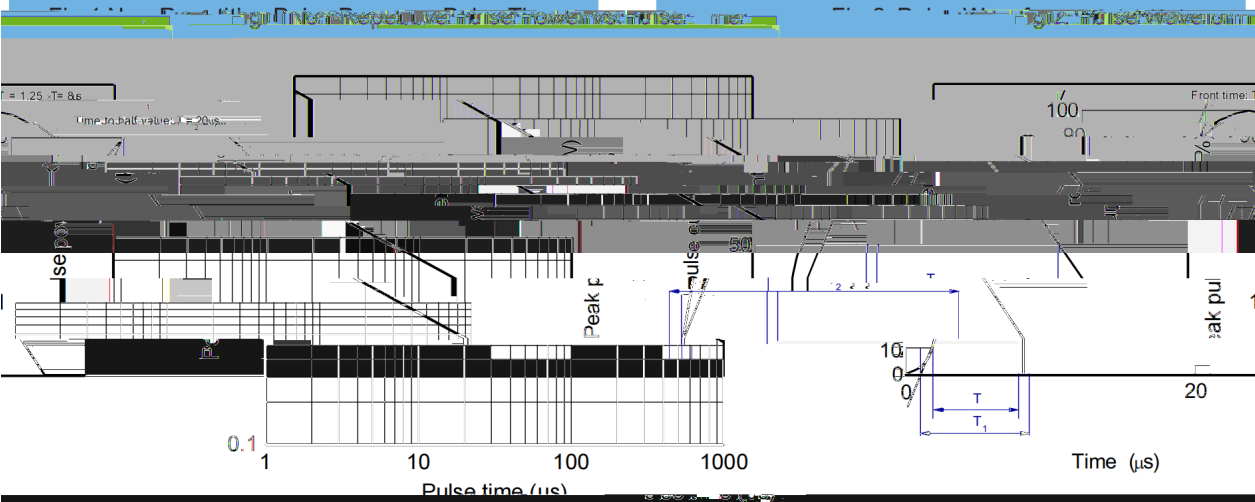
/ Absolute Maximum Ratings($T_a=25^\circ\text{C}$)

Parameter	Symbol	Rating	Unit
Peak Pulse Power ($t_p = 8/20\mu\text{s}$)	P_{PP}	5100	W
Peak Pulse Current ($t_p = 8/20\mu\text{s}$)	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($T_a=25^\circ\text{C}$)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Stand-Off Voltage	V_{RWM}				24	V
Reverse Breakdown Voltage	V_{BR}	$I_t=1\text{mA}$	26		32	V
Reverse Leakage Current	I_R	$V_{RWM}=24\text{V}$ $T=25$			1	μA
Clamping Voltage	V_C	$I_{PP}=150\text{A}$ $t_p=8/20\mu\text{S}$			34	V
Capacitance. Any I/O pin to GND	C_J	$V_R=0\text{V}$ $f=1\text{MHz}$		660		pF

/ Electrical Characteristic Curve

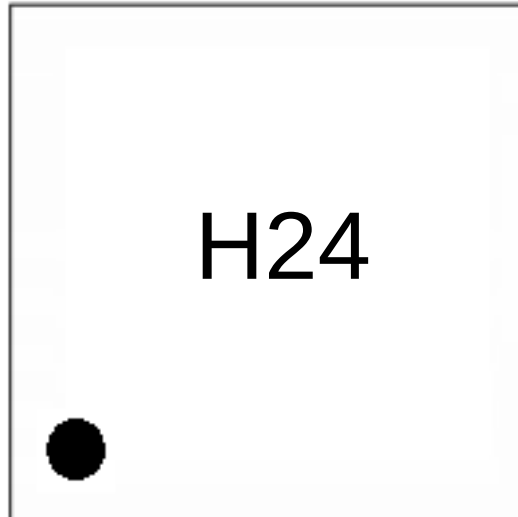


Technical drawing of a reinforced concrete slab and beam cross-section. The drawing shows a slab with a width of 1.00m and a thickness of 0.15m. It includes a beam with a width of 0.25m and a height of 0.50m. The slab is reinforced with top bars (A1, A2, A3) and bottom bars (B, D, E). The beam is reinforced with top bars (D2, E2, e) and bottom bars (K). The drawing also shows a section of the slab with a width of 0.40m and a height of 0.15m. The drawing is labeled 'Soloplaat' and 'Balk'.

Symbol	Dimensions In Millimeters		
A1	0.00	0.02	0.15
A2	0.00	0.02	0.15
A3	0.00	0.02	0.15
B	0.25	0.25	0.25
D	1.00	1.00	1.00
E	1.90	1.90	1.90
D2	0.85	1.00	1.10
E2	1.35	1.50	1.60
e	1.20	1.30	1.40
K	0.20	0.30	0.40



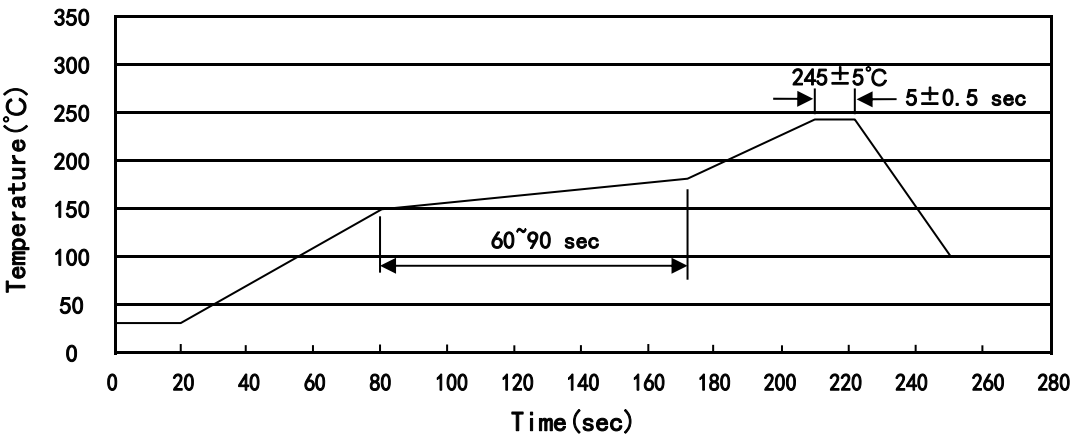
/ Marking Instructions



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