

BRA7N65
Rev. A Jul.-2023



DATA SHEET

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Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	650	V
Drain Current	$I_D(T_C=25^\circ\text{C})$	7.0	A
Drain Current	$I_D(T_C=100^\circ\text{C})$	4.4	A
Drain Current - Pulsed	I_{DM}	28	A
Gate-Source Voltage	V_{GS}	± 30	V
Single Pulsed Avalanche Energy	E_{AS}	420	mJ
Repetitive Avalanche Energy	E_{AR}	14.7	mJ
Avalanche Current	I_{AR}	7.0	A
Power Dissipation	$P_D(T_C=25^\circ\text{C})$	147	W

Operating and Storage Temperature Range

T_J, T_{STG} -55 to 150°C

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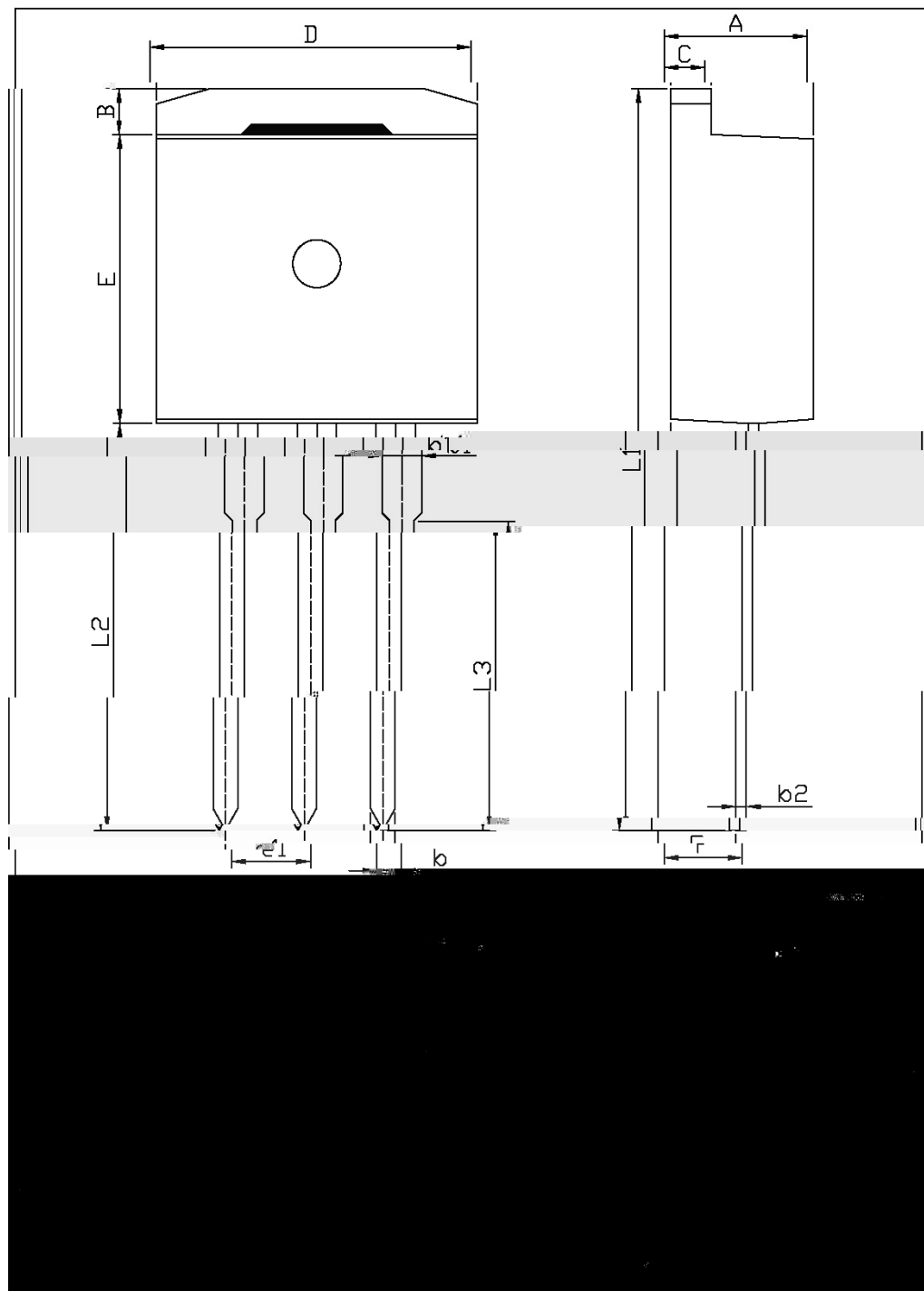
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蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

Ø □ =) ⌀ / Package Dimensions



, M y f / Marking Instructions



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BR y , [W A
4 y ° Z W A
y ŷ D Z W A k š ŷ D Z J

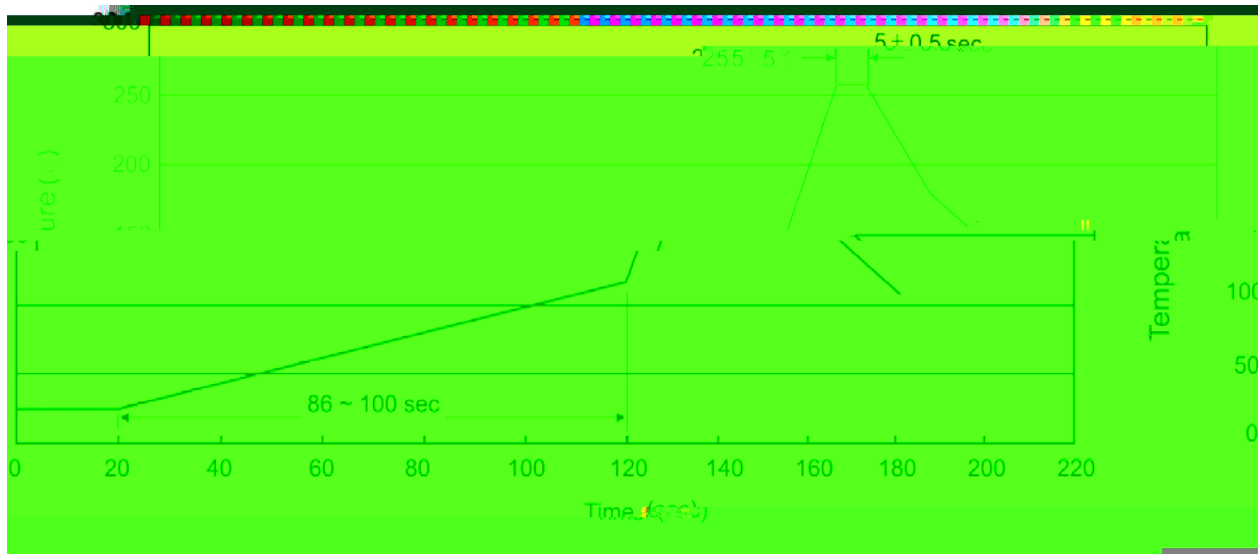
Note:

BR: Company Code

7N65: Product Type

****: Lot No. Code, code change with Lot No

G PD t ... • Ž Ć (x /) / Temperature Profile for Dip Soldering(Pb-Free)



• Ć y

10• Ć ½ “† 25 ½150 - k Ž • 60 ½90sec;

20• Q > “† 255 r5 - k Ž • 4 Ò 5 r0.5sec;

30•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1.Preheating:25~150 - , Time:60~90sec.

2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

ÂD /Că p ¯ »] / Resistance to Soldering Heat Test Conditions

“† y 270 r5 -

Ž • y 10 r1 sec.

Temp.:270±5

Time:10±1 sec

G P á / Packaging SPEC.

ì' x / TUBE

Package Type 7>û ~ E	Units ;>û ĤH					Dimension ;>û p . (unit Ĥmm³)		
	Units/Tube /•1×	Tubes/Inner Box •1× /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Tube•1×	Inner Box	Outer Boxç
TO-262	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180

„Đ y f / Notices