2SB1240

Rev.E Mar.-2016

蓝箭电子 BLUE ROCKET ELECTRONICS

DATA SHEET

/ Descriptions

WR0<50P ṂṂÞ SQS ÆḾч s ‖ ㄱ Silicon PNP transistor in a TO-92LM Plastic Package.

/ Features

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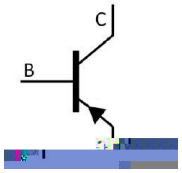
Low $V_{CE(sat)}$,complements the 2SD1862.

/ Applications

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Medium power amplifier applications.

/ Equivalent Circuit



/ Pinning



PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	P	Q	R
h_{FE} Range	82 180	120 270	180 390

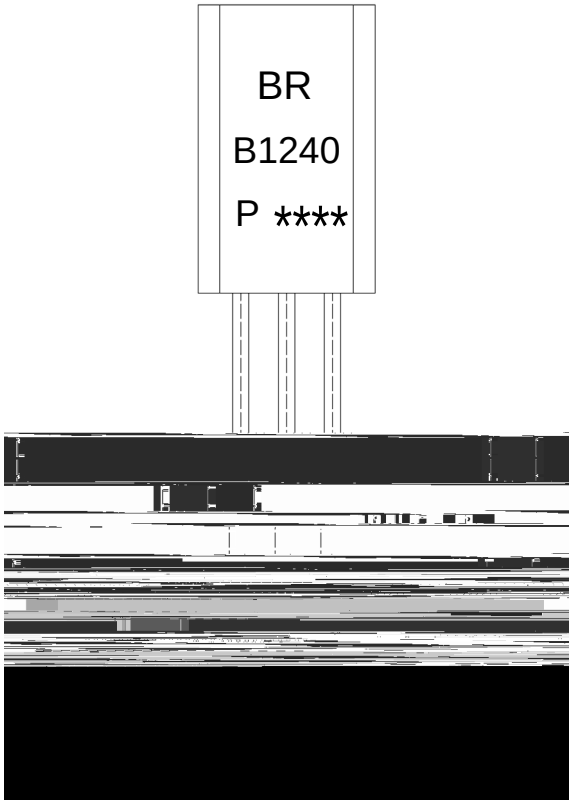
v ̈Ω Parameter	٩ N Symbol	̈Ω Ö Rating	D Ч Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-32	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current (DC)	I_C	-2.0	A
Collector Current-Peak	I_{CM}	-3.0	A
Collector Power Dissipation	P_C	1.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

v ̈Ω Parameter	٩ N Symbol	‼ :† ҂ Test Conditions	ώ ή Ö Min	Ε ʒ Ö Typ	ώ ᶻ Ö Max	D Ч Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-50μA I_E=0	-40			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-1.0mA I_B=0	-32			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-50μA I_C				

2SB1240

/ Package Dimensions

/ Marking Instructions



ب ″ χ	
EU=	₩ ३ И Ђ
E4573 χ	₩ ȝ N Ђ
S=	₩ k IH ‘ 6 Ђ
---- χ	₩ ł ғ ń N Ђ ı ₰ ł ғ ń N Ψ ק

Note:

BR:	Company Code.
B1240:	Product Type.
P:	h_{FE} Classifications Symbol
****:	Lot No. Code,code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ł ı `H ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 255 ° 5 ł ı `H ڑ `Y ﾊ ㎛ 5 ° 0.5sec;

3 ì ˙ ｲ ˛ ↄ ଌ ỷ ㎛ 2 Ḱ 10 ł /sec.

Note:

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

2.Peak Temp.:255 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ł `H ڑ χ 10 ° 1 sec. Temp.:270±5 Time:10±1 sec

/ Packaging SPEC.

¨Ω ţ ｲ Ł / BULK

Package Type	Units					Dimension		(unit mm3)
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-92LM	1,000	8	8,000	5	40,000	135×190	237×172×102	560×245×195

ﾊ Ⅴ ｲ Ł / AMMO

Package Type	Units					Dimension	(unit mm3)
	Units/tape /	Tape/Inner Box /	Rows/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Inner Box	Outer Box
TO-92LM	2,500	1	100	10	25,000	328×230×42	