WR0<5 ḾḾÞ QSQ ÆṀ ч s ‖ ㄱ Silicon NPN transistor in a TO-92 Plastic Package.

ˡ ль 5Vˡ я ł ŧ R ę ъ ϟ ? G p ˡ ⅜ א

/ Absolute Maximum Ratings(Ta=25)

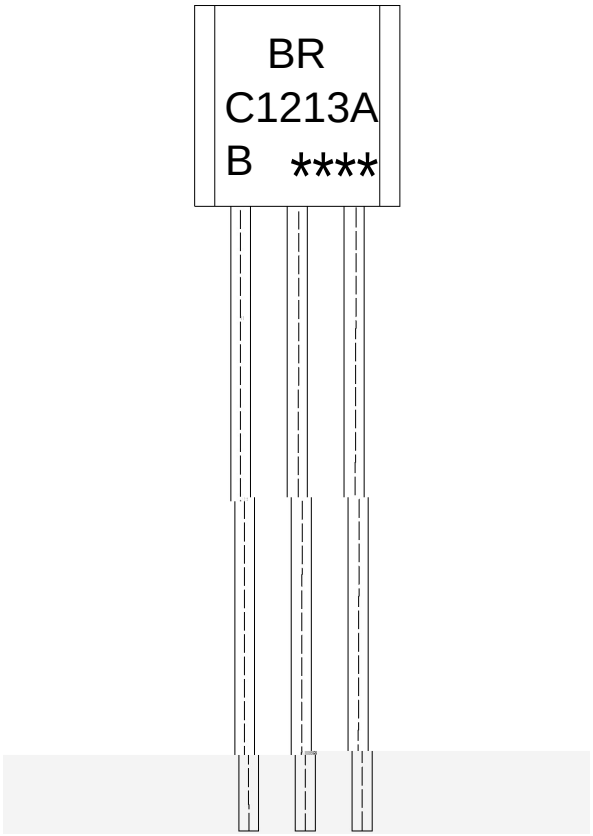
v ̈Ω Parameter	ϒ N Symbol		̈Ω Ö Rating	D Ɥ Unit
Collector to Base Voltage	V_{CBO}	2SC1213	35	V
		2SC1213A	50	
Collector to Emitter Voltage	V_{CEO}	2SC1213	35	V
		2SC1213A	50	
Emitter to Base Voltage	V_{EBO}		4.0	V
Collector Current - Continuous	I_C		500	mA
Collector Power Dissipation	P_C		400	mW
Junction Temperature	T_j		150	
Storage Temperature Range	T_{stg}		-55 150	

/ Electrical Characteristics(Ta=25)

v ̈Ω Parameter	ϒ N Symbol		⊥ :ϯ ϒ Test Conditions	ϣ ɳ Ö Min	Ɛ ʒ Ö Typ	ϣ ᵶ Ö Max	D Ɥ Unit
Collector to Base Breakdown Voltage	V_{CBO}	2SC1213	I_C=10μA I_C=1.0mA	35			V
		2SC1213A		50			
Collector to Emitter Breakdown Voltage	V_{CEO}	2SC1213	I_C=1.0mA I_B=0	35			V
		2SC1213A		50			
Emitter to Base Breakdown Voltage	V_{EBO}		I_E=10μA I_C=0	4.0			V
Collector Cut-Off Current	I_{CBO}		V_{CB}=20V I_E=0			0.5	μA
DC Current Gain	$h_{FE(1)}$		V_{CE}=3.0V I_C=10mA	60		320	
	$h_{FE(2)}$		V_{CE}=3.0V I_C=500mA	10			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$		I_C=150mA I_B=15mA		0.2	0.6	V
Base to Emitter Voltage	V_{BE}		V_{CE}=3.0V I_C=10mA		0.64		V

/ Package Dimensions

/ Marking Instructions



ب ˝ χ	
EU=	₩ ३ И Ґ
F4546D χ	₩ ʒ N Ґ
E=	₩ k IH ‘ 6 Ґ
---- χ	₩ ł ғ ń N Ґ ı ₰ ł ғ ń N Ψ ק

Note:

BR:	Company Code.
C1213A:	Product Type.
B:	h_{FE} Classifications Symbol
****:	Lot No. Code,code change with Lot No.

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



ب ˝ χ

1 Ĺ ♬ □ ў 25 Ќ 150 ł ı `H ڑ 60 Ќ 90sec;

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

3 ì ˙ ϒ ˛ ɔ ﷺ ў ㎞ 2 Ќ 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

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

/ Packaging SPEC.

¨Ω ţ ϒ Ł / BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-92	1,000	10	10,000	5	50,000	135×190	237×172×102	560×245×195
	1,000	10	10,000	10	100,000	135×190	237×172×102	560×245×375

ﾊ Ѵ ϒ Ł / AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	Units/tape 只/纸带	Tape/Inner Box 纸带/盒	Rows/Inner Box 纸带层/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Inner Box 盒	Outer Box 箱
TO-92	3,000	1	120	10	30,000	328×230×42	小箱 480×346×235， 大箱 547×407×268

/ Notices