

5 é / Descriptions

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* U [H R i k o n 4 6 4 and N 6 4 transistor in a SOT-363 Plastic Package

α^a / Features

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With built-in bias resistors, simplify circuit design, reduce a quantity of parts and manufacturing process, HF Product.

Đ ÷ / Applications

9 • ¼ o • μ è Y C Ü è ož

Switching applications, interface circuit and driver circuit applications.

Ã W] Ô • / Equivalent Circuit

• Ũ - æ / Pinning

Z Ü B , M V / h_{FE} Classifications & Marking

Marking	H214
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§ Absolute Maximum Ratings(Each Transistor, Ta=25 ;)

@ f Parameter	... Z Symbol	f › Rating	% y Unit
Output Voltage	V _{CC}	50	V
Input Voltage	V _{IN}	40	V
		-6	V
Output Current	I _{CM}	100	mA
	I _o	70	mA
Collector Dissipation	P _C	150	mW
Junction Temperature	T _j	150	
Storage Temperature Range	T _{stg}	-55 150	

§ Electrical Characteristics((Each Transistor, Ta=25 ;)

@ f Parameter	... Z Symbol	y j Ú ^ Test Conditions	Â 4 › Min	Á ° › Typ	Â Ý › Max	% y Unit
Input Voltage(OFF)	V _{I(off)}	v _{CC} =5.0V I _o =100 A	0.3			V
Input Voltage(ON)	V _{I(on)}	V _o =0.3V I _o =1mA			1.4	V
Output Voltage	V _{O(on)}	I _o =5mA I _I =0.25mA			0.3	V
Input Current	I _I	V _I =5.0V			0.88	mA
Output Cut-off Current	I _{O(off)}	V _{CC} =50V V _I =0V			0.5	A
DC Current Gain	G _I	V _o =5.0V I _o =5.0mA	68			
Transition Frequency	f _T	V _{CE} =10V I _C =5.0mA f=100MHz		250		MHz
Resistance1	R ₁		7	10	13	K
Resistance Ratio	R ₂ /R ₁		3.7	4.7	5.7	

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø □ =) ϕ / Package Dimensions

, M y f / Marking Instructions

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Note:

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Company Code

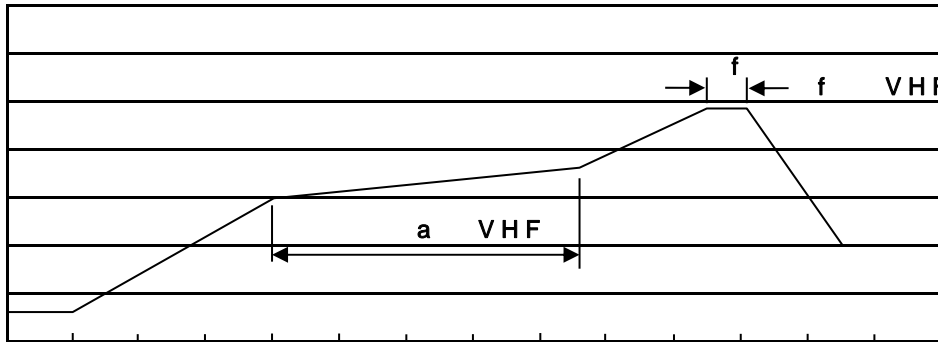
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Product Type Code

Lot No. Code, code change with Lot No

šWD t...•Žç (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

7HPSHUDWXUH



7LPH VHF

a ç y

1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

2o• Q › “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

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

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

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

ÂD /Cã p ~ »] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 -

ž • y 10 r1 sec.

Temp.:260±5

Time:10±1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ~ E	Units ;>û !H					Dimension ;>û p . (unit Åmm³)		
	Units/Reel /--	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /!ç	Units/Outer Box /!ç	Reel	Inner Box	Outer Boxç
SOT-363	3,000	10	30,000	6	180,000	7 s x8	180x120x180	390x385x205

„Đ y f / Notices