BRDTC123YKAQ

DATA SHEET

5Ø / Descriptions

9 5 : .> / / xJ· 4 6 4 â o 9 O R O I U T 4 6 4 * CZMGR ZXGTYOYZU6XRCGTYZGO956GIQGMK

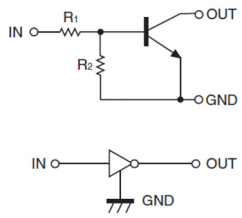
/“ / Features

˜x å k ¿Ł k×5«^yò-vik ‘’+) 7 öÕäU·¯}Lk)íD}o

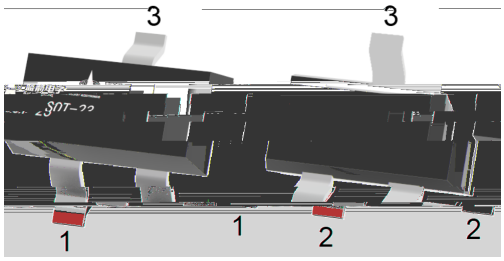
—÷ / Applications

9 ...o µŁYCÜ Ł k ÆVæ }Lo

ˆ W]Ô / Equivalent Circuit



Û- æ / Pinning



P1 y IN P2 y GND P3 y OUT

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

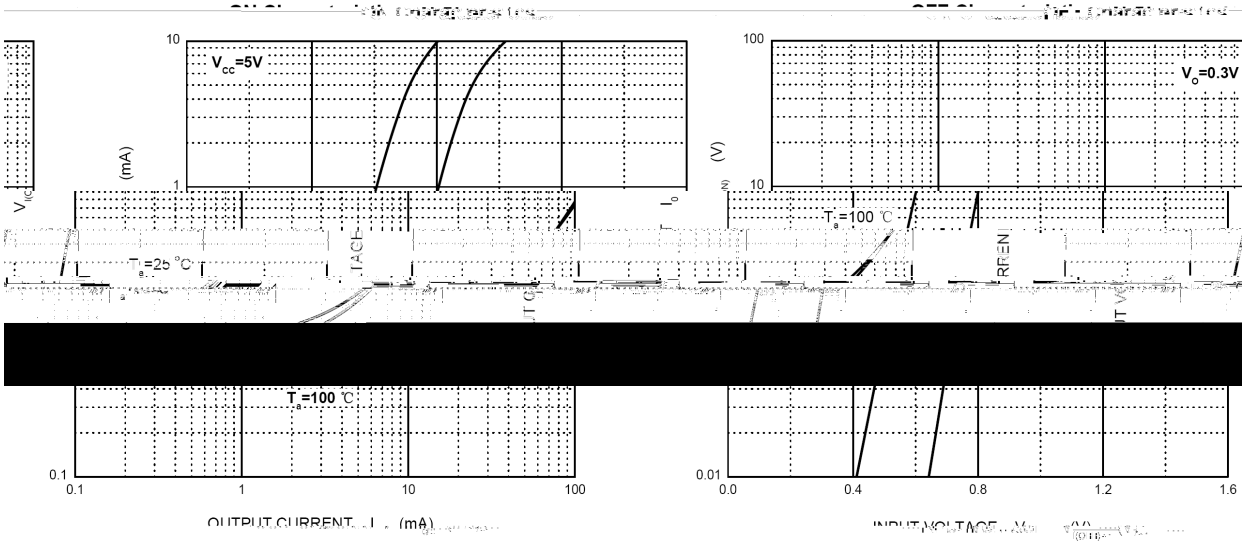
ˆa ? d / Absolute Maximum Ratings(Ta=25 ;)

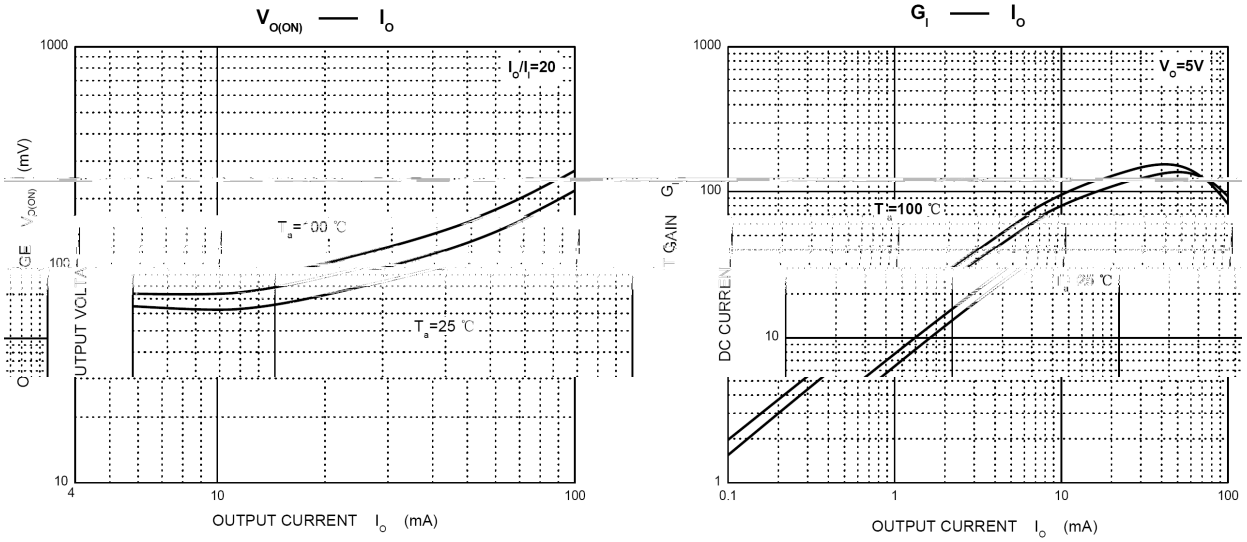
@	Z		% y
V	CC	50	V
V	IN	12	V
		-5	V
I	O	100	A
	P_D	200	W
	T_j	-55 150	
	T_{stg}	-55 150	

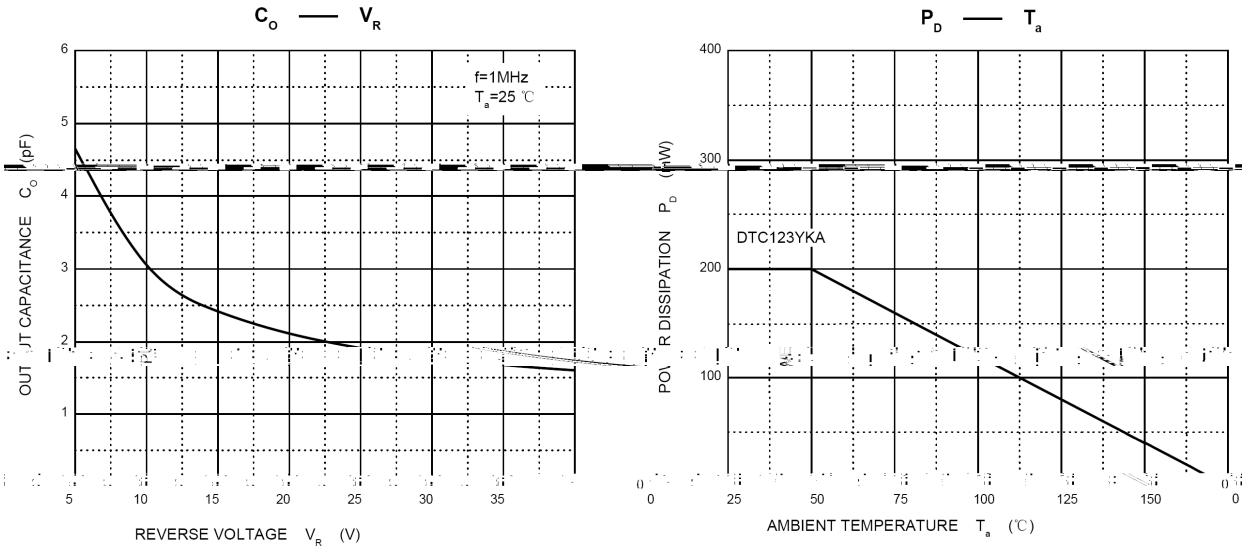
Â4ì ×? d / Electrical Characteristics(Ta=25 ;)

@	Z	y ¡ Ú^	´ 4	` "	´ Ý	% y
V	I(off)	VCC=5.0V I O=100 A	0.3			V
V	I(on)	VO=0.3V I O=20mA			3	V
V	O	IO =10mA I I=0.5mA		0.1	0.3	V
I	I	VI=5.0V			3.8	mA
I	O	VCC=50V V I=0V			0.5	A
G	I	VO=5.0V O=10mA	33			
R	1		1.54	2.2	2.86	K
R	2/R1		3.6	4.5	5.5	
f	T	VO=10V I O=5.0mA f=100Hz		250		Hz

Ô? d ¢ / Electrical Characteristic Curve



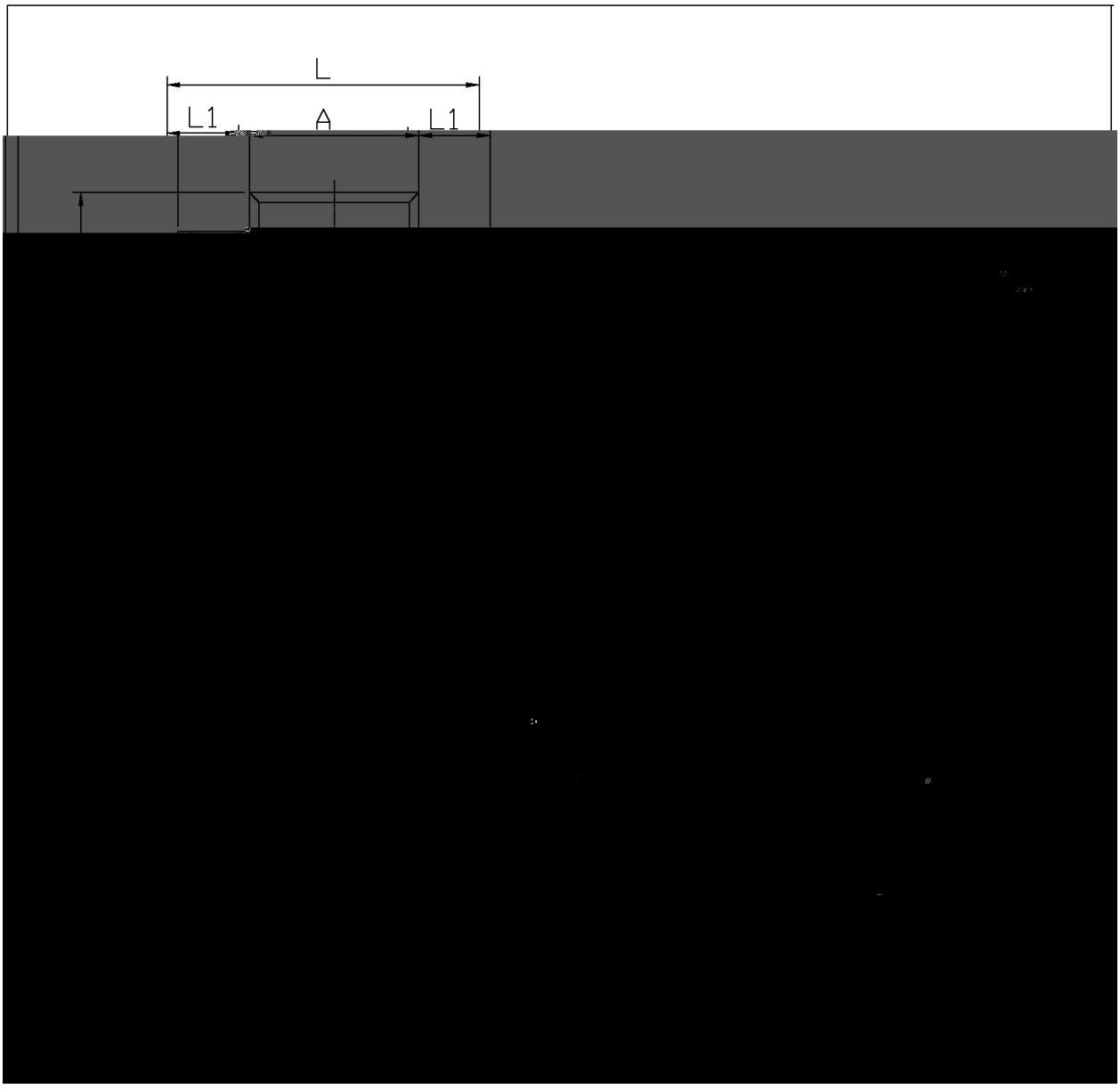




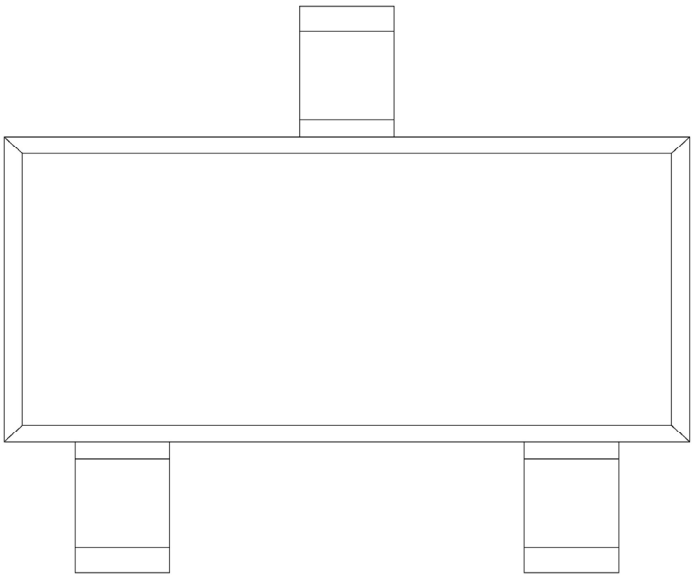
Package Dimensions

SOT-23

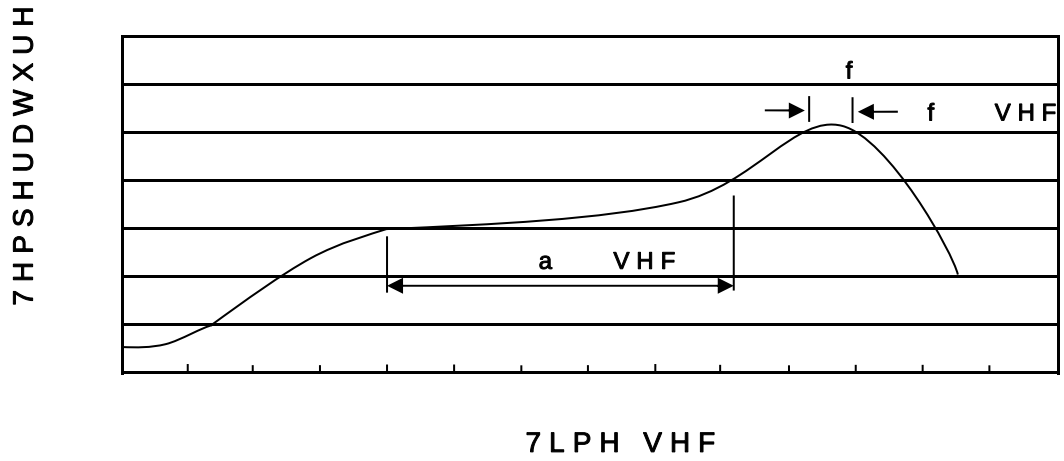
单位：mm



, M y



WD t ¢ (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6



“ ¢ y

1o ˜ ‰ 150 ‰200 - k 60 ‰120ø 1.ß150±200 - , ß60±120ø

2o Q 255 r5 - k 4 Ò 5 r0.5ø 2.ßß255 r5 - , Dß5 r0.5ø

3o D N òi Ò0 , 2 ‰10 - /ø 3. Cßß2±10 - /ø

´D /Cª p fl »] / Resistance to Soldering Heat Test Conditions

y 260 r5 - y 10 r1 ø ßß260±5 ß01± ø

G P Æ / Packaging SPEC.

2 & x / RE

ßF 7>ß E	ß; ;>ß ƒH					Dßm	;>ß p .	(ß ˜ m ³)	
	Units/Reel / ›-	Reels/Inner Box ›- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box×		Outer Box1ç
ß23	3,000	10	30,000	6	180,000	7	T8	180±120±80	390±385±205

— y / Notices