



NPN Transistor

Features

"(SR[\ PHHWV 8/ 9 IODPPDELOLW\ UDWLQJ
"+DORJHQ IUHH DYDLODEOH XSRQ UHTXHVW E
"0RLWVXUH 6HQVLWLWYLVW\ /HYHO
"+LJK &RQGXFWDQFH
"6XUIDFH ORXQW 3ODN\HWBGRU \$XWRPDWL
,QVHUWLRQ

Mechanical Data

"Package 627
0ROGLQJ FRPSOLDQW PH9 IODPPDELOLW\ UDW
5R+6 FRPSOLDQW KDORJHQ IUHH
"Terminals: 7LQ SODWHG OHDGV VROGHUDEOH S
- 67' DQG -(6' %
"Marking '

vMaximum Ratings 7D XQOHVV RWKHUZZLVH QRWHG

Item	Symbol	Unit	Value
&ROOHFWRU %DVH 9ROWDJH	&%2	9 9	
&ROOHFWRU (PLWWHU 9ROWDJH	&(2	9 9	
			9
&ROOHFWRU &XUUHQW	&	P,\$	
&ROOHFWRU 3RZHU 'LVVLSDWLRQ 3F		P :	
7KHUPDO 5HVLVWDQFH)URP -XQFWLRQ 7R \$PELHQW			
2SHUDWLRQ -XQFWLRQ 7HPSHUDWXUH		-	7
6WRUDJH 7HPSHUDWXUH	vWJ	7	WR

vOrdering Information ([DP SOH

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
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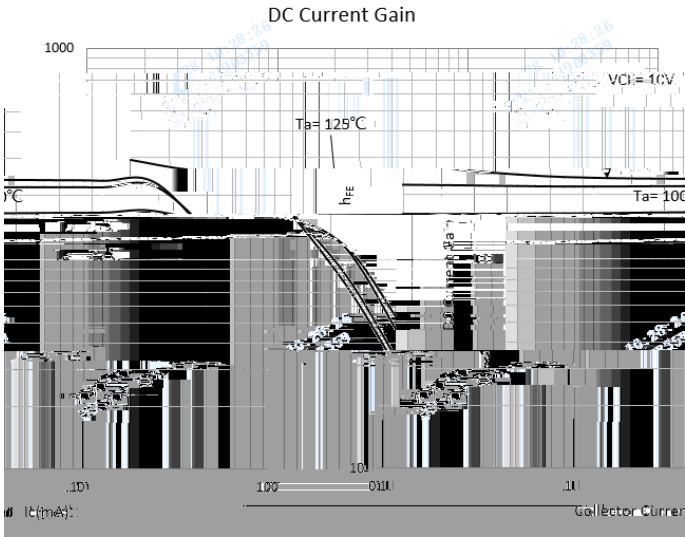
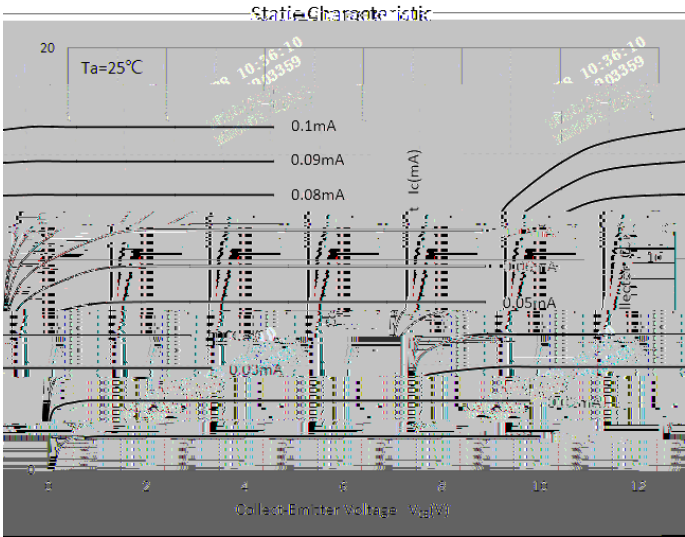
MMBTA42

RoHS
COMPLIANT

vElectrical Characteristics 7D XQOHVV RWKHUZZLVH QRWHG

Item	Symbol	Unit	Conditions	Min	Typ	Max
&ROOHFWRU EDVH EUHDNGRZQ YRQWDJH 9			, & 9X\$, (			
&ROOHFWRU HPLWWHU EUHDNGRZQ YRQWDJH 9			, & P\$,9%			
(PLWWHU EDVH EUHDNGRZQ YRQWDJH 9			, (9 X\$, &			
&ROOHFWRU EDVH FXW RII FXUUHQW		X\$	9 & %, 9 , (			
(PLWWHU EDVH FXW RII FXUUHQW		X\$	9 (, % 9 , &			
'& FXUUHQW JDLQ	$K_{(A A)}$		9 & (9 , & P\$			
	$K_{(A A)}$		9 & (9 , & P\$			
	$K_{(A A)}$		9 & (9 , & P\$			
&ROOHFWRU HPLWWHU VDWXUDWLRQ YRQWDJH , &			P\$, %9 P\$			
%DVH HPLWWHU VDWXUDWLRQ YRQWDJH 9			, & P\$, % P\$			
7UDQVLWLRQ IUHTXHQF\	7	0+]	9 & (9 , & P\$ I 0+]			

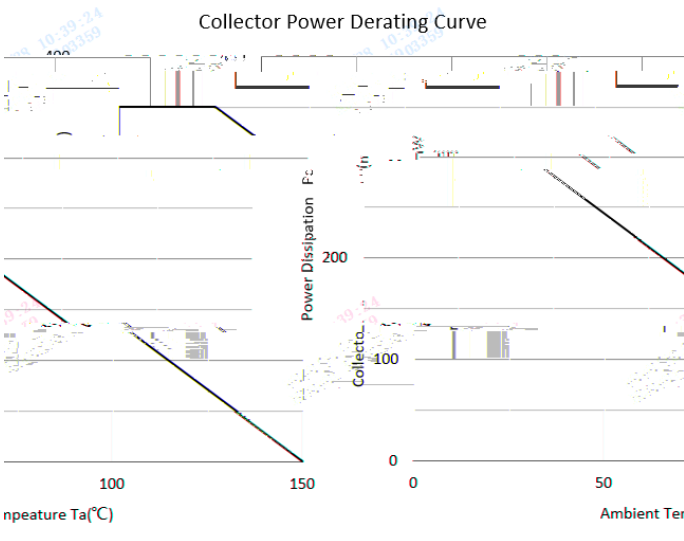
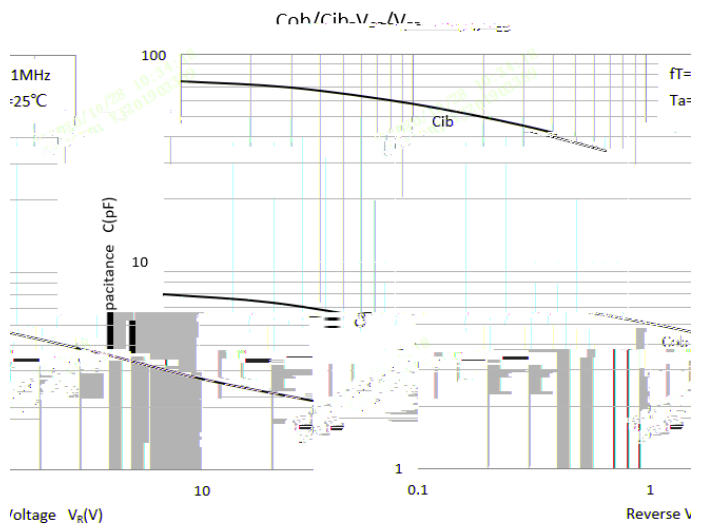
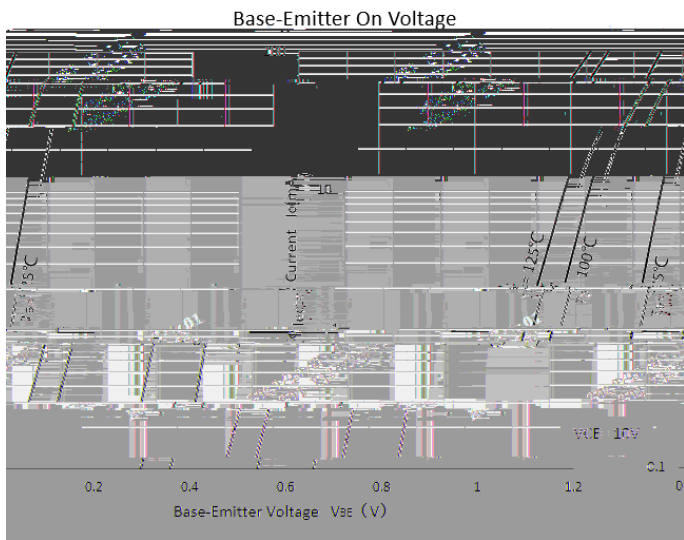
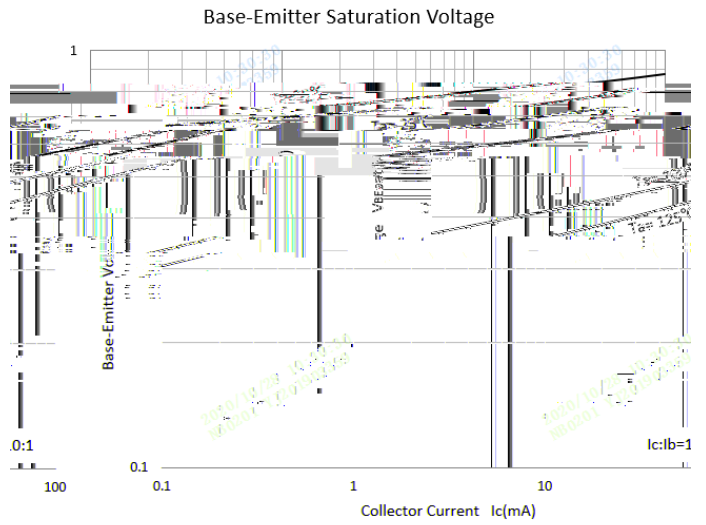
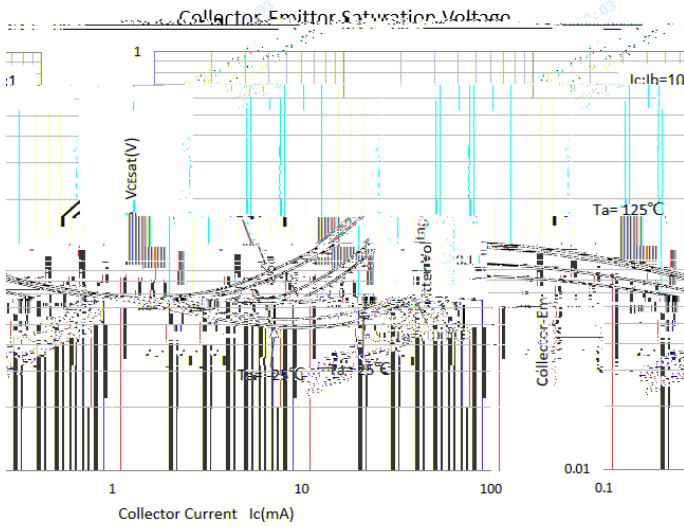
■ Characteristics 7\SLFDO



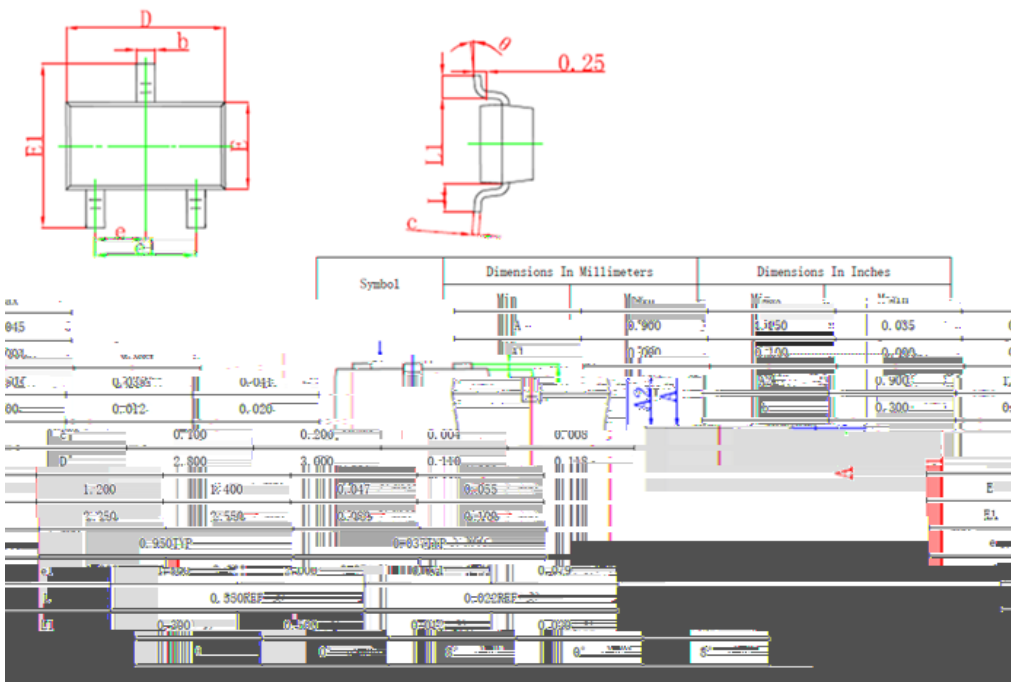


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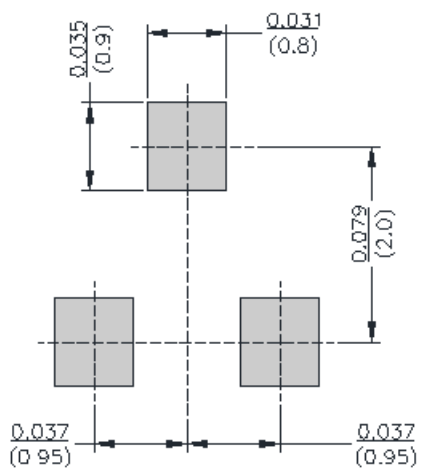
RoHS
COMPLIANT



VSOT-23 Package Outline Dimensions



■SOT-23 Soldering Footprint





Disclaimer

7KH LQIRUPDWLRQ SURYLQDWHV LQ WKLV DIHJPHQW (OHFWURQLF 7HFKQRO
ULJKW WR PDNH FKDLFHV ZLWKRXV KRLVURGXHQV GLWSOD\HG KHUHLQ WRGLPSURY
RU RWKHUZLVH

7KH SURGXFW OLVWHG KHUHLQ LV GHOLFHUW RFEHTXLSH ZLWK RUGLHQFHVW DQG
HTXLSPHQW RU GHYLFHV ZKLFK UHTGLW KHKE DQ OXQFHOGRQ LHHOLYDL DQ DQXPHU DXP
PHGLFDO LQVWUXPHQWV WUDQVSRUWDW