

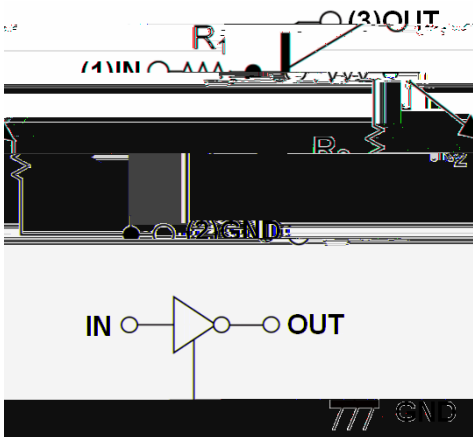
NPN Digital Transistors (Built-in Resistors)



Features

- " 0RLVWXUH 6HQVLWLYLW\ /HYHO
- " 6XUIDFH PRXQW ~~SD FNXD VH GGHWDOS XWRP DWLF~~
,QVHUWLRQ
- " (SRPDEH ~~HW~~ \87EF 9LQ ~~SD~~ DWHG
- 67' DQG -(6' %
- " Marking: (

Equivalent circuit



Maximum Ratings

ITEM	SYMBOL	UNIT	CONDITIONS	VALUE
6XSSO\ 9ROWDJH	&&	9 9		
,QSXW 9ROWDJH	,1	99		WR
2XWSXW &XUUHQW	2	P\$		
3RZHU 'LVVLSDWLRQ	.	P3		
-XQFWLRQ 7HPSHUDWXUH	.	7		
6WRUDJH 7HPSHUDWXUH	67'	7		WR



DTC143ZE

Electrical Characteristics 7D XQOHVV RWKHUZZLVH VSHFLILHG

ITEM	SYMBOL	UNIT	CONDITIONS	MIN	TYP	MAX
,Q SXW YROWDJH	9 ,RII		9&& 9 ,F 9 X\$			
	9 ,RQ		9 9 ,F P\$ 9			
2XWSXW YROWDJH	RQ	9R	,R ,L P\$ P\$			
,Q SXW FXUUHQW	,	P\$	9 9			
2XWSXW FXUUHQW	2 RII	,	&& 9 9LX \$			9
'& FXUUHQW JDLQ	,	*	9R 9 ,R P\$			
,Q SXW UHVLVWDQFH		N5				
5HVLVWDQFH UDWLR	5	5				
7UDQVLWLRQ IUHTXHQF\	7	0+] I	9R 9 ,P\$			

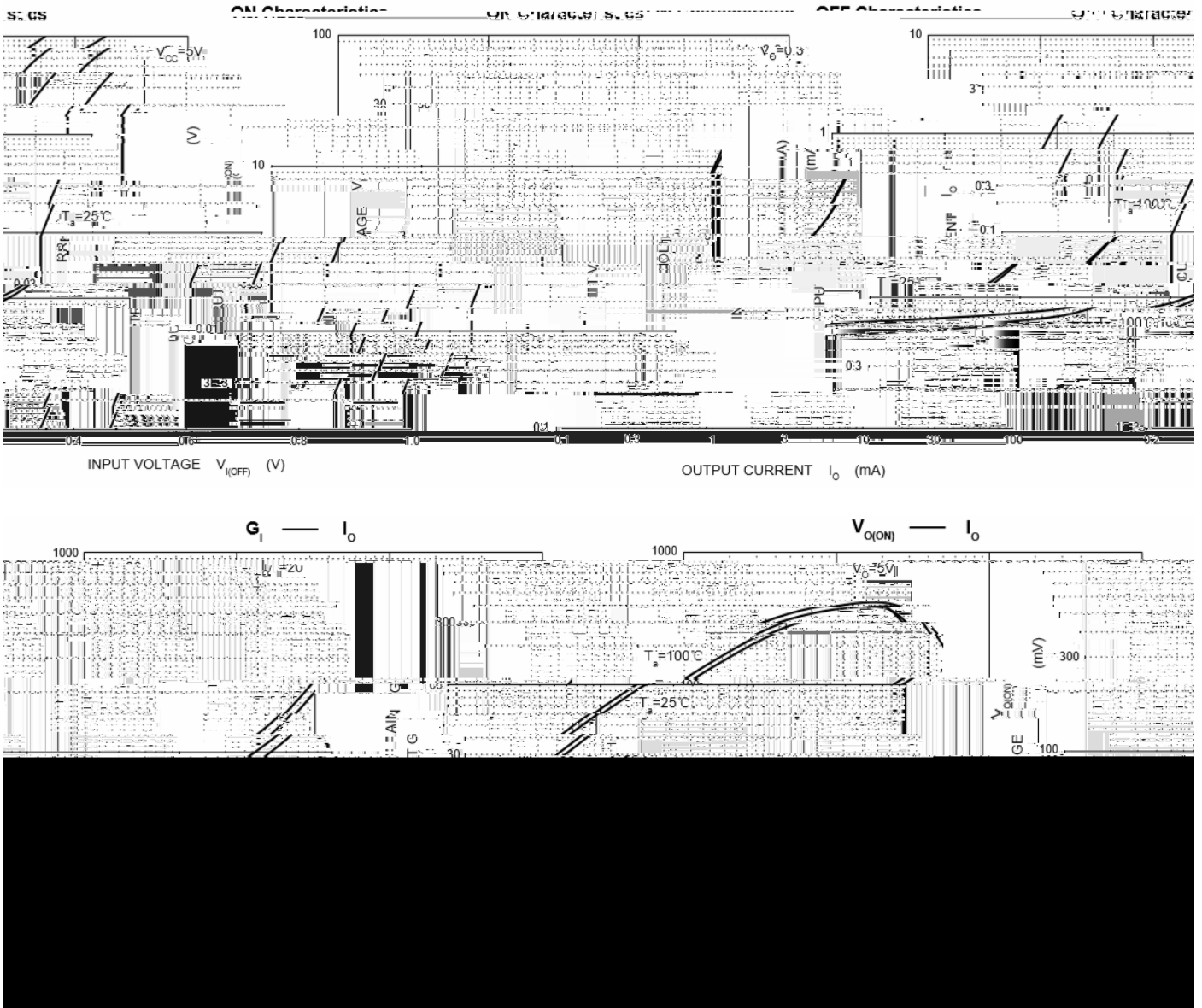
vOrdering Information ([DP SOH

Preferred P/N	Packing code	Unit Weight(G)	Minimum Package(Pcs)	Inner Box Quantity(Pcs)	Outer Carton Quantity(Pcs)	Delivery Mode
'7& =()	\$SSUR[LPDWH				



DTC143ZE

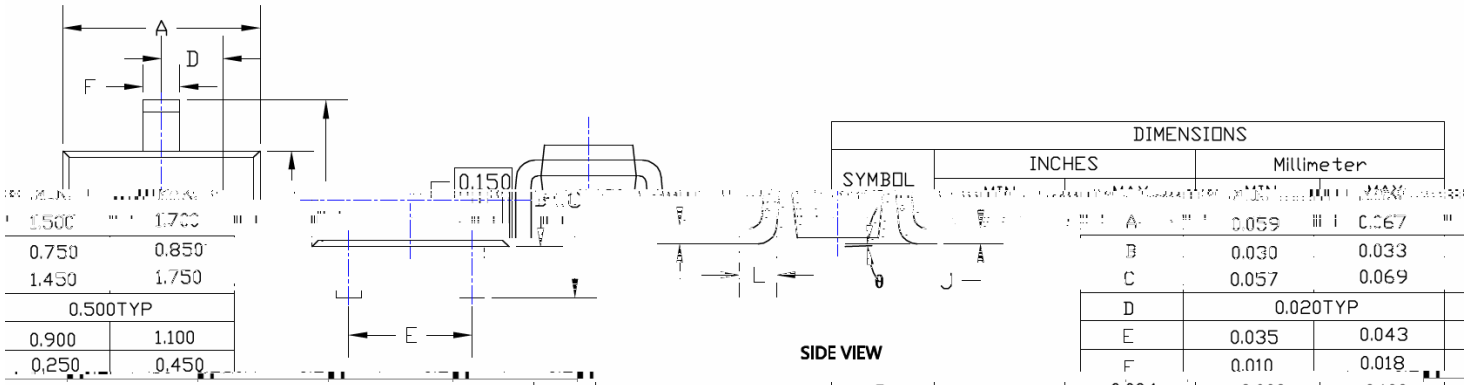
Characteristics 7\SLFDO





DTC143ZE

vSOT-523 Package Outline Dimensions



Note:

1. All dimensions are in millimeters (mm) unless otherwise specified.

