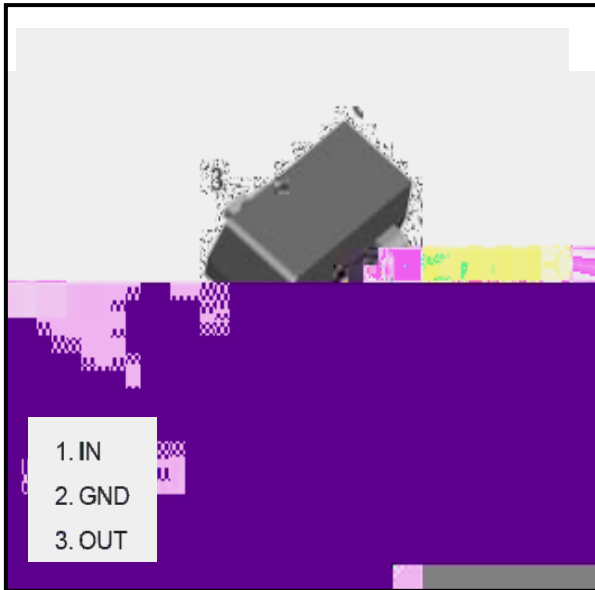


## C



### Features

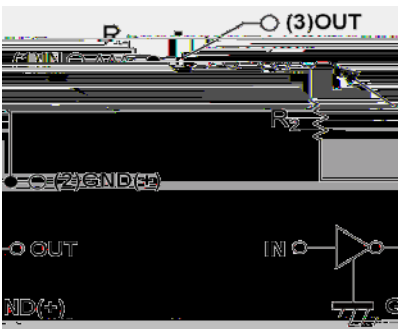
- Epoxy meets UL-94 V-0 flammability rating
- Built-in bias resistors enable the configuration of an inverter circuit without connecting external input resistors
- Surface mount package ideally Suited for Automatic

### Insertion

- PNP
- J-STD-002 and JESD22-B102

E13

### Equivalent circuit



### Maximum Ratings (Ta=25 Unless otherwise specified)

ITEM	SYMBOL	UNIT	CONDITIONS	VALUE
Supply Voltage	$V_{CC}$	V		-50
Input Voltage	$V_{IN}$	V		-30 to +5
Output Current	$I_o$	mA		-100
Power Dissipation	$P_D$	mW		200
Junction Temperature	$T_J$			150
Storage Temperature	$T_{STG}$			-55 to +150



## DTA143ZCA

### Electrical Characteristics (Ta=25 unless otherwise specified)

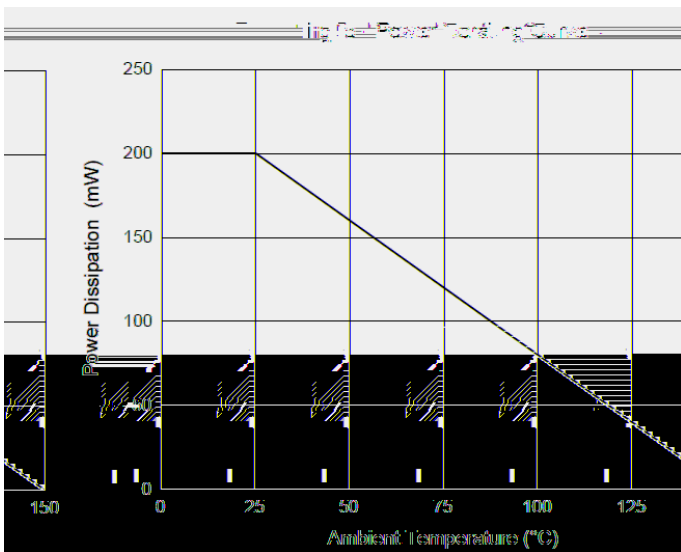
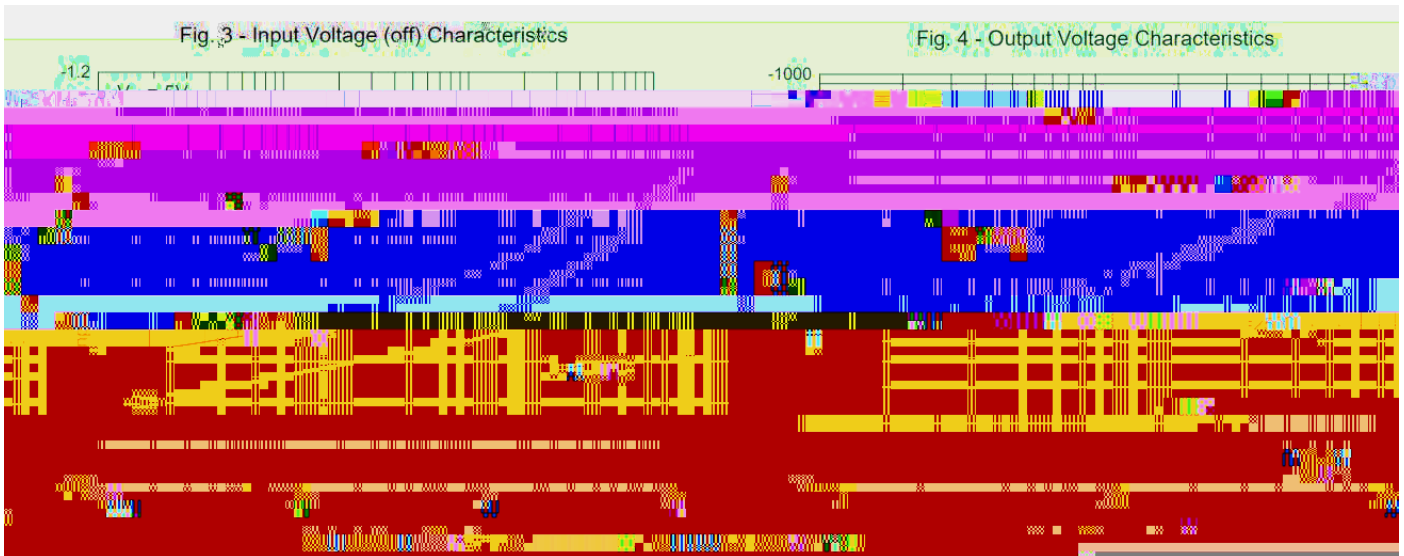
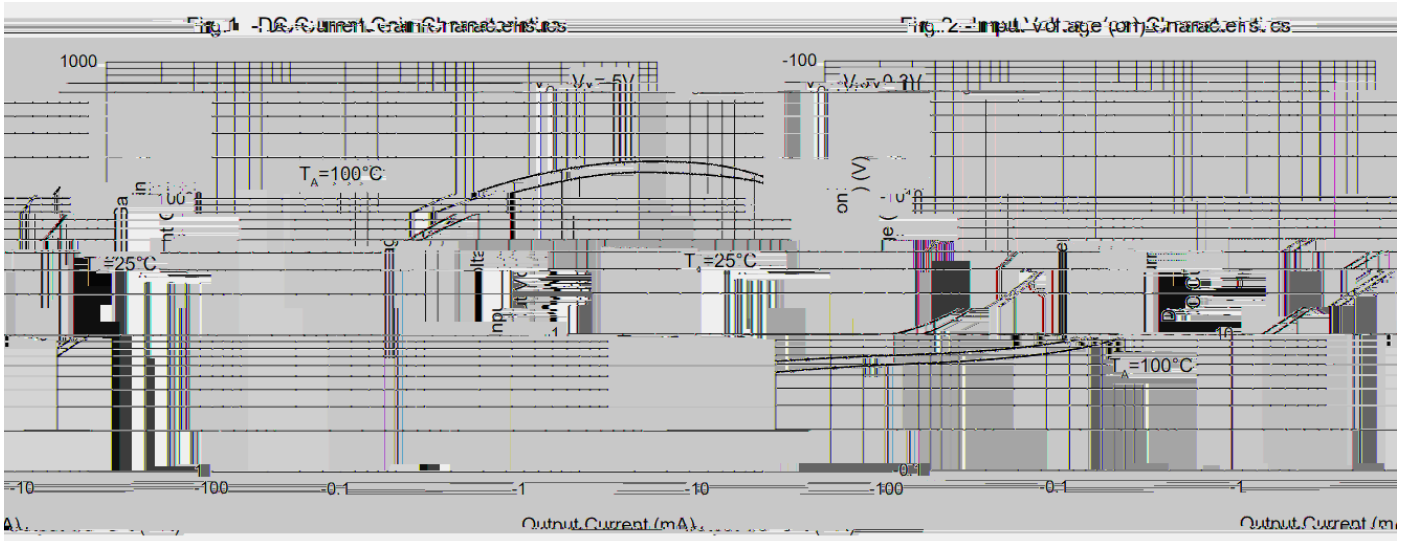
ITEM	SYMBOL	UNIT	CONDITIONS	MIN	TYP	
Input voltage	$V_{I(off)}$	V	$V_{CC}=-5V, I_c=-100\mu A$	-0.5		
	$V_{I(on)}$	V	$V_o=-0.3V, I_c=-2mA$			-1.3
Output voltage	$V_{O(on)}$	V	$I_o / I_i = -10mA / -0.5 mA$			-0.3
Input current	$I_I$	mA	$V_i=-5V$			-1.8
Output current	$I_{O(off)}$	$\mu A$	$V_{CC}=-50V, V_i=0$			-0.5
DC current gain	$G_I$		$V_o=-5V, I_o = -10mA$	80		
Input resistance	$R_1$	k		3.29	4.7	6.11
Resistance ratio	$R_2/R_1$			8	10	12
Transition frequency	fT	MHz	$V_{CE}=-10V, I_E=5mA, f=100MHz$		250	

### Ordering Information (Example)

PREFERRED P/N



Characteristics (Typical)







# DTA143ZCA

---

## Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to the extent that it may be necessary.