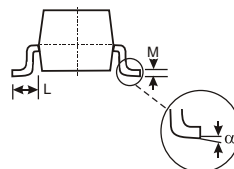
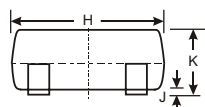
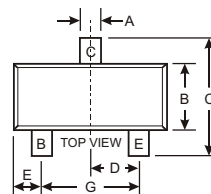


### Features

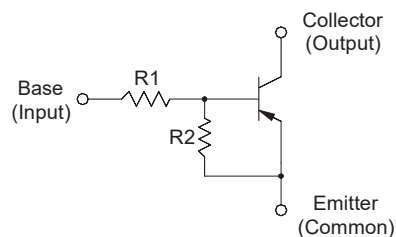
- With built-in bias resistors.
- Simplify circuit design.
- Reduce a quantity of parts and manufacturing process.
- Marking Code:E32



SOT-23		
Dim	Min	Max
A	0.37	0.51
B	1.20	1.40
C	2.30	2.50
D	0.89	1.03
E	0.45	0.60
G	1.78	2.05
H	2.80	3.00
J	0.013	0.10
K	0.903	1.10
L	0.45	0.61
M	0.085	0.180
$\alpha$	0°	8°
All Dimensions in mm		

### Maximum Ratings @ $T_A = 25^\circ\text{C}$ unless otherwise specified

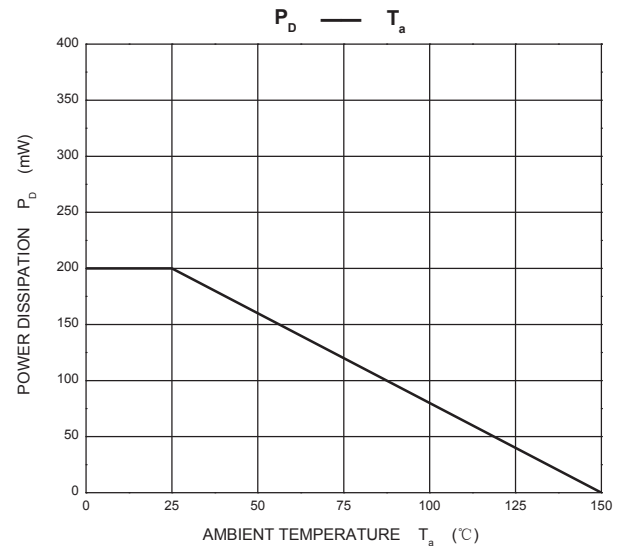
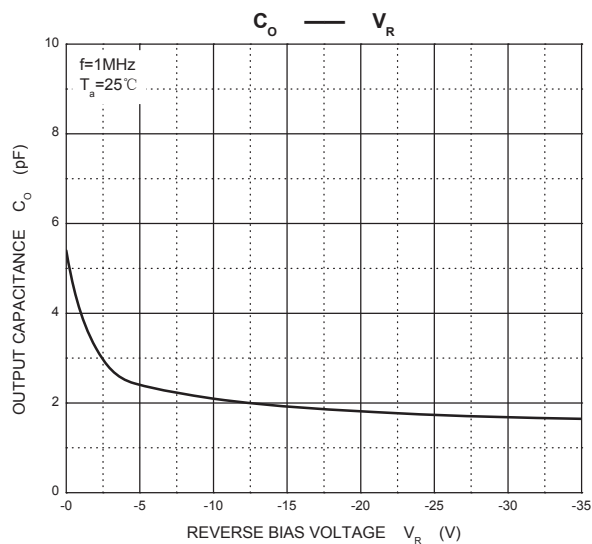
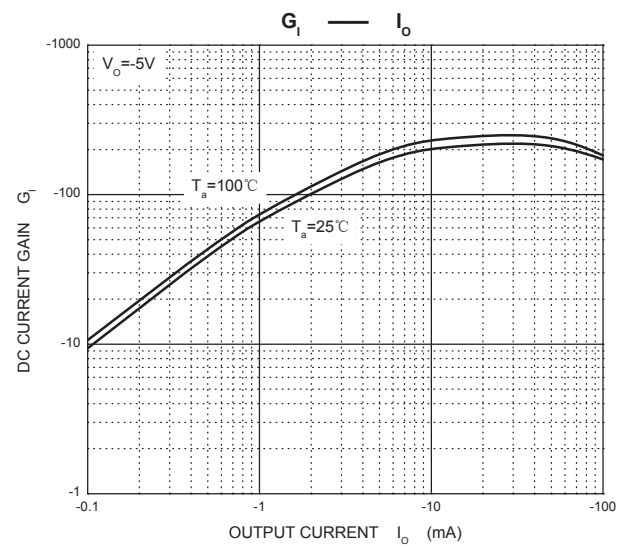
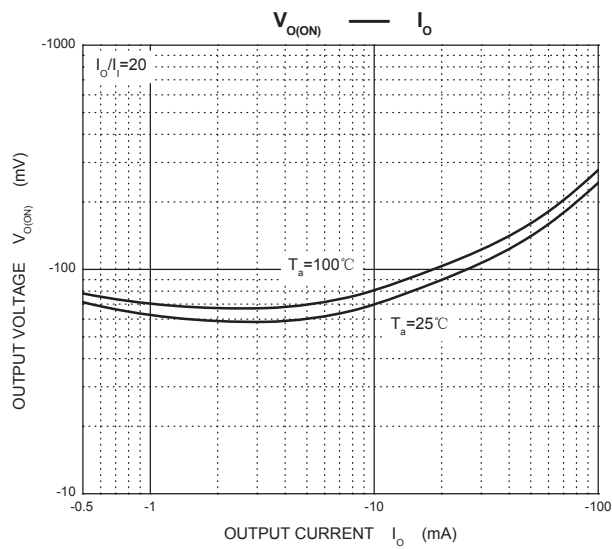
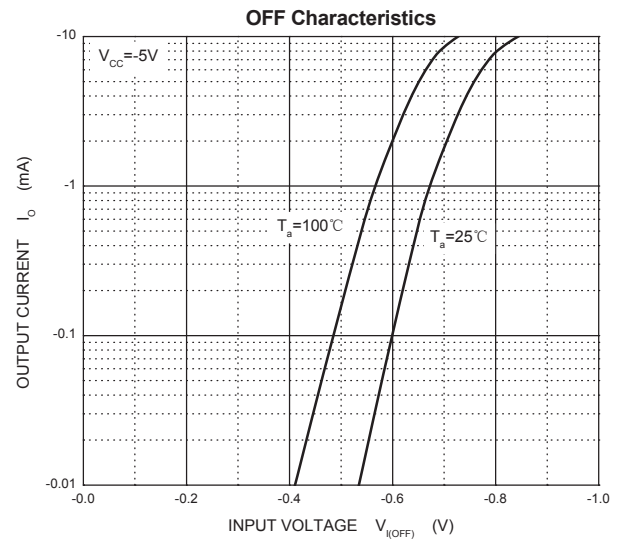
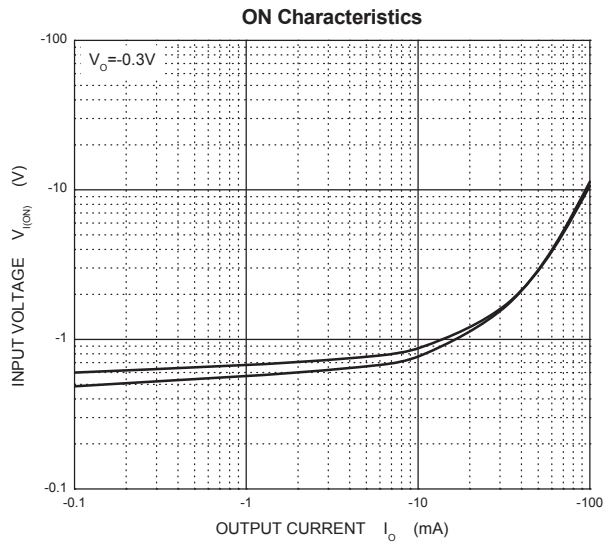
Parameter	Symbol	Value	Unit
Supply Voltage	$V_{CC}$	-50	V
Input Voltage	$V_{IN}$	-12~+5	V
Output Current	$I_O$	-100	mA
Power Dissipation	$P_D$	200	mW
Junction Temperature	$T_j$	150	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	- 55 to + 150	$^\circ\text{C}$



### Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Input voltage	$V_{I(off)}$	$V_{CC} = -5V, I_O = -100\mu A$	-0.5			V
	$V_{I(on)}$	$V_O = -0.3V, I_O = -5mA$			-1.1	V
Output voltage	$V_{O(on)}$	$I_O/I_I = -5mA/-0.25mA$			-0.3	V
Input current	$I_I$	$V_I = -5V$			-3.6	mA
Output current	$I_{O(off)}$	$V_{CC} = -50V, V_I = 0$			-0.5	$\mu A$
DC current gain	$G_I$	$V_O = -5V, I_O = -10mA$	80			
Input resistance	$R_1$		1.54	2.2	2.86	k $\Omega$
Resistance ratio	$R_2/R_1$		17	21	26	
Transition frequency	$f_T$	$V_O = -10V, I_O = -5mA, f = 100MHz$		250		MHz

### TYPICAL TRANSIENT CHARACTERISTICS



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## IMPORTANT NOTICE

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