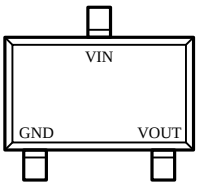


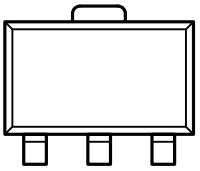
SOT-89-3



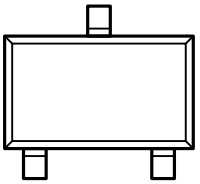
SOT-23-3L/SOT-23-3B
(TOP VIEW)

SOT-23-3L/B	**SOT-89-3L**		
3	2	VIN	
1	1	GND	
2	3	VOUT	

SOT-89-3L **SOT-23-3L/B**



SOT-89-3L
(TOP VIEW)



SOT-23-3L/SOT-23-3B
(TOP VIEW)

	V_{IN}	V_{SS}-0.3 V_{SS}+6		V
	V_{OUT}	V_{SS}-0.3 V_{IN}+0.3		
	P_D	SOT-23-3L	250	mW
		SOT23-3B	150	
		SOT-89-3L	500	
	Topr	-40 +85		°C
	Tstg	-40 +125		

(TA=25 unless otherwise noted)

*1	$V_{OUT(E)1}$	V_{IN} =$V_{OUT(S)}$+1.0 V, I_{OUT}=1 mA, ±2%		$V_{OUT(S)}$ ×0.98	$V_{OUT(S)}$	$V_{OUT(S)}$ ×1.02	V
		V_{IN} =$V_{OUT(S)}$+1.0 V, I_{OUT}=1 mA, ± 1%		$V_{OUT(S)}$ ×0.99	$V_{OUT(S)}$	$V_{OUT(S)}$ ×1.01	V
*2	I_{OUT}	V_{IN} $_{OUT(S)}$+1.0 V		250 *5	-	-	mA
*3	V_{drop}	I_{OUT}=50 mA	1.5 V $_{OUT(S)}$	-	0.20	0.28	V
			$_{OUT(S)}$	-	0.16	0.24	
			3.4 $_{OUT(S)}$ 5.5 V	-	0.12	0.20	
	$\frac{V_{OUT1}}{V_{IN} \quad V_{OUT}}$	$V_{OUT(S)}$ $_{IN}$ 5.5 V I_{OUT}=1 mA		-	0.05	0.2	%/V

***3.** $V_{drop} = V_{IN1}-(V_{OUT3}\times 0.98)$

V_{OUT3} $V_{IN} = V_{OUT(S)}+1.0$ V, I_{OUT} = 50 mA

V_{IN1} V_{OUT3} 98%

***4.** [mV/] :

$\frac{V_{OUT}}{T_a}$ [mV/]* =$V_{OUT(S)}$(V)* $\frac{V_{OUT}}{T_a \quad V_{OUT}}$ [ppm/]* 1000

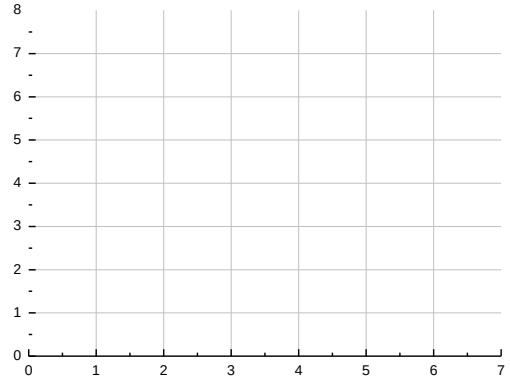
* . * . * .

***5.**

2.5V 1.5V 120mA

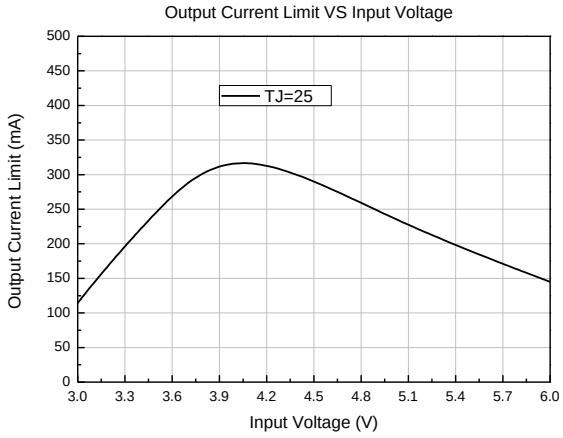
2.8V

1. VS

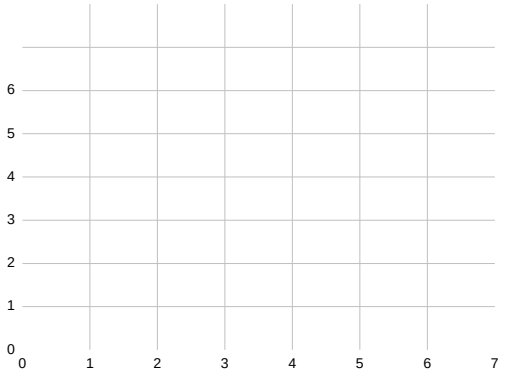


2. VS

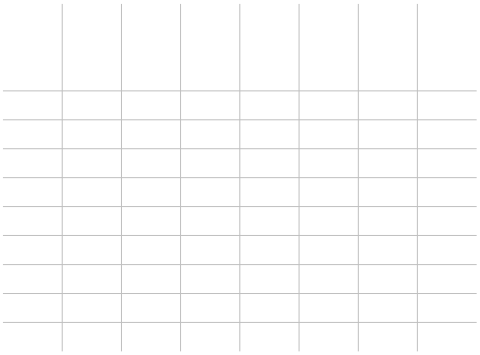
3. VS



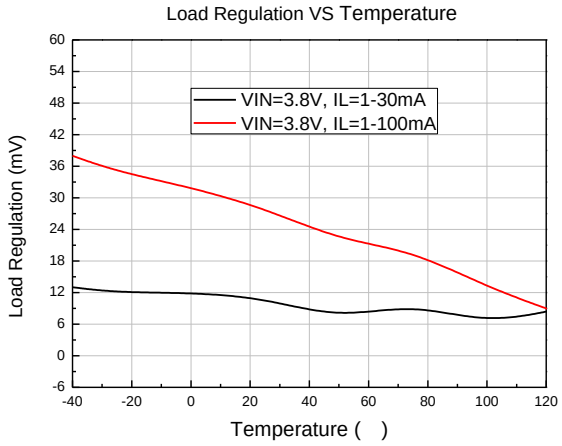
4. GND VS



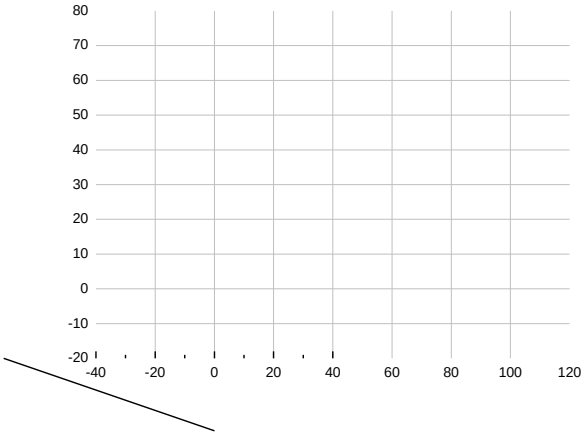
11. VS



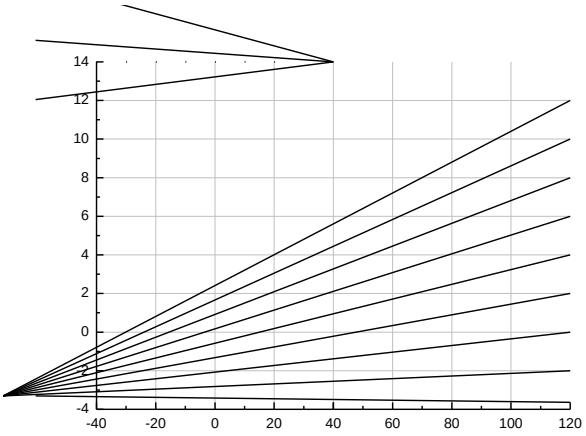
12. VS



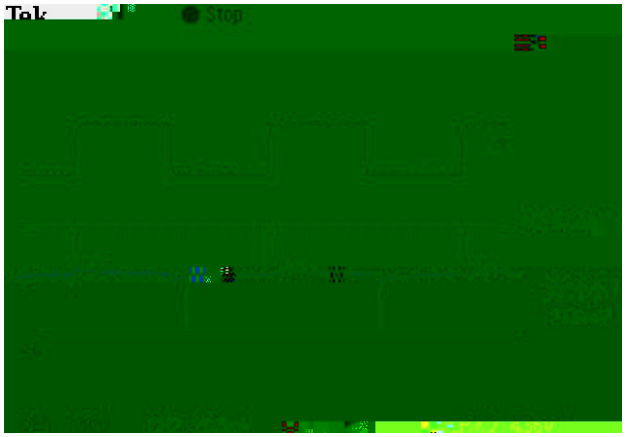
13. VS



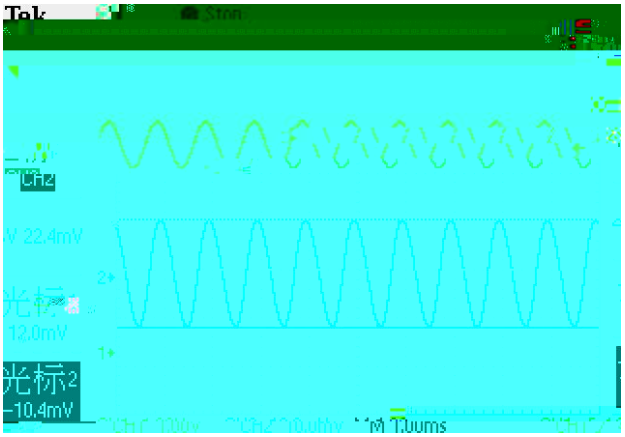
14. VS



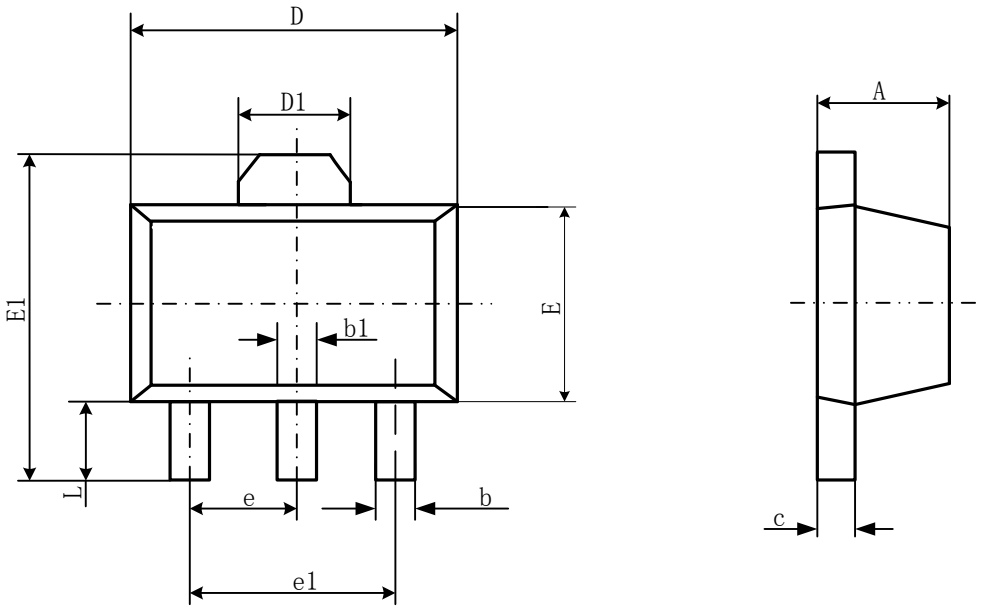
15.



16. (IL=50mA Vpp=1V F=1KHZ)

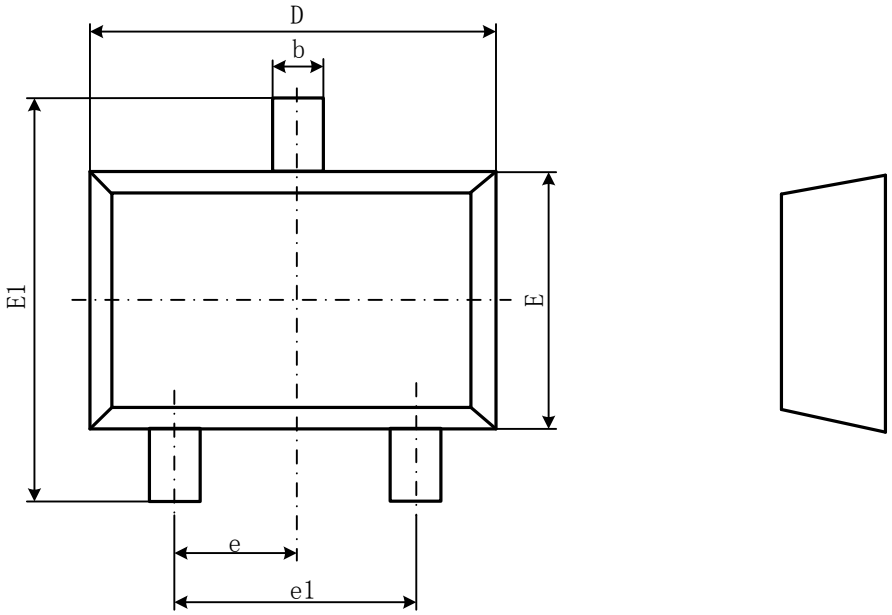


SOT-89-3L



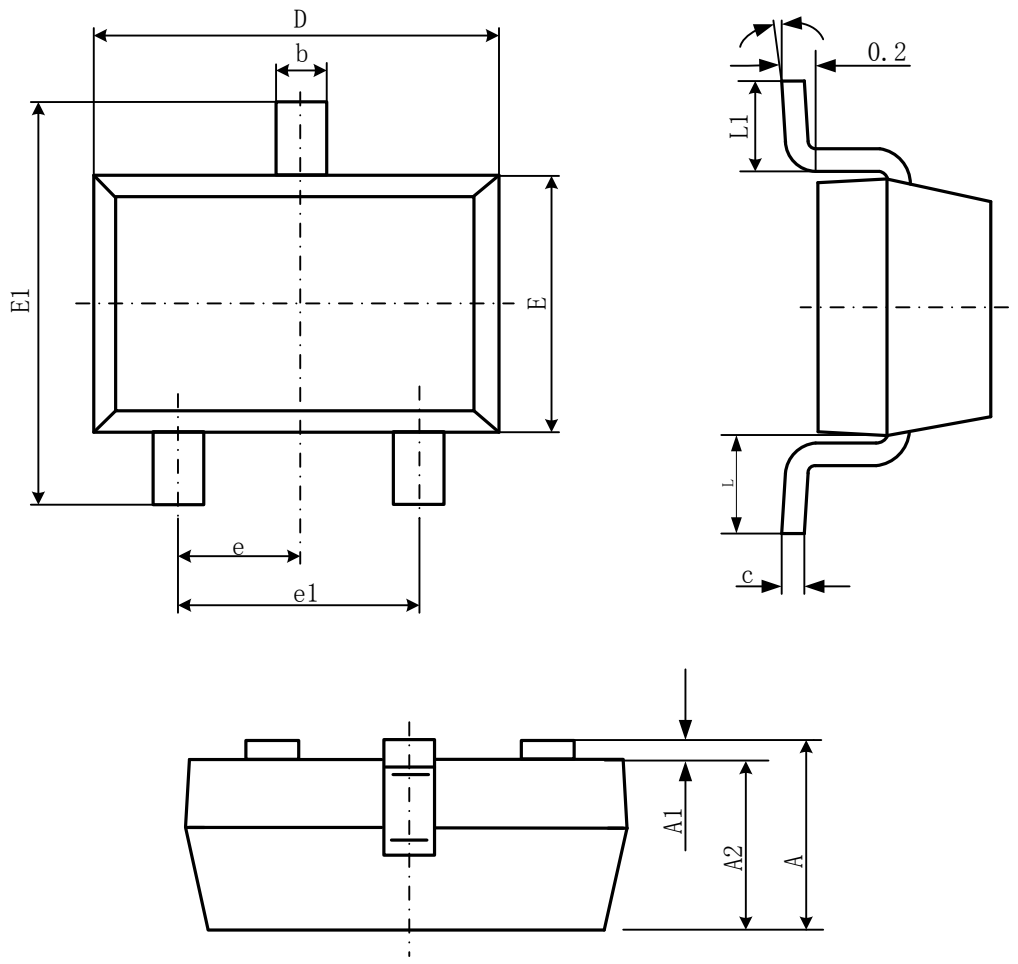
Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	1.400	1.600	0.055	0.063
b	0.320	0.520	0.013	0.020
b1	0.400	0.580	0.016	0.023
c	0.350	0.400	0.014	0.017
D	4.400	4.600	0.173	0.181
D1	1.550REF.		0.061REF.	
E	2.300	2.600	0.091	0.102
E1	3.940	4.250	0.155	0.167
e	1.500TYP		0.060TYP	
e1	3.000TYP		0.118TYP	
L	0.900	1.200	0.035	0.047

SOT-23-3L



Symbol	Dimensions In Millimeters		D
	Min	Max	Min
A	1.050	1.250	0.041
A1	0.000	0.100	0.000
A2	1.050	1.150	0.041
b	0.300	0.500	0.012
c	0.100	0.200	0.004
D	2.820	3.020	0.111

SOT-23-3B



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.080	0.15		