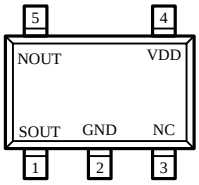
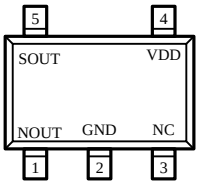
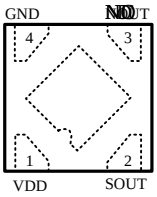
■ Pin Configuration



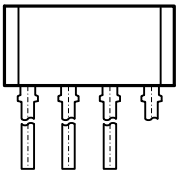
SOT-553L
(TOP VIEW)



SOT23-5L
(TOP VIEW)



DFN1010-4L
(TOP VIEW)



Pin Number				Pin Name	Function Description
SOT-553	SOT23-5L	DFN1010-4L	TO-94		
5	1	3	3	NOUT	North Output
2	2	4	4	GND	Ground
3	3	-	-	NC	No Connect
4	4	1	1	VDD	Power
1	5				

■ Electrical Characteristics

AC/DC Characteristics (T_A=+25 ,V_{DD}=3.0V,Unless otherwise specified)

Symbol	Characteristic	Conditions	Min	Typ	Max	Unit
VDD	Supply voltage	-	1.8	-	4.5	V
I_{SAVG}	Averaged supply current	-	3	5	7	uA
I_{SOPAVG}	Averaged current during operating time	-	0.5	0.7	1	mA
I_{SOPT}	Peak current during operating time	-	-	-	2	mA
I_{SSTB}	Supply current during standby time	-	1	-	2	uA
V_{OH}	Output High Voltage	IOUT=-0.5mA	2.7	2.9	-	V
V_{OL}	Output low Voltage	IOUT=0.5mA	-	0.1	0.3	V
t_r	Output rise time	R_L C_L=10pF	-	0.5	1	us
r_f	Output fall time	R_L $_L$=10pF	-	0.1	1	us
t_{op}	Operating time	-	-	75	-	us
t_{stb}	Standby time	-	40	50	60	ms
t_{op}/t_{stb}	Duty cycle	-	-	0.1	-	%
t_{stu}	Start-up time of IC	-	-	7	13	us

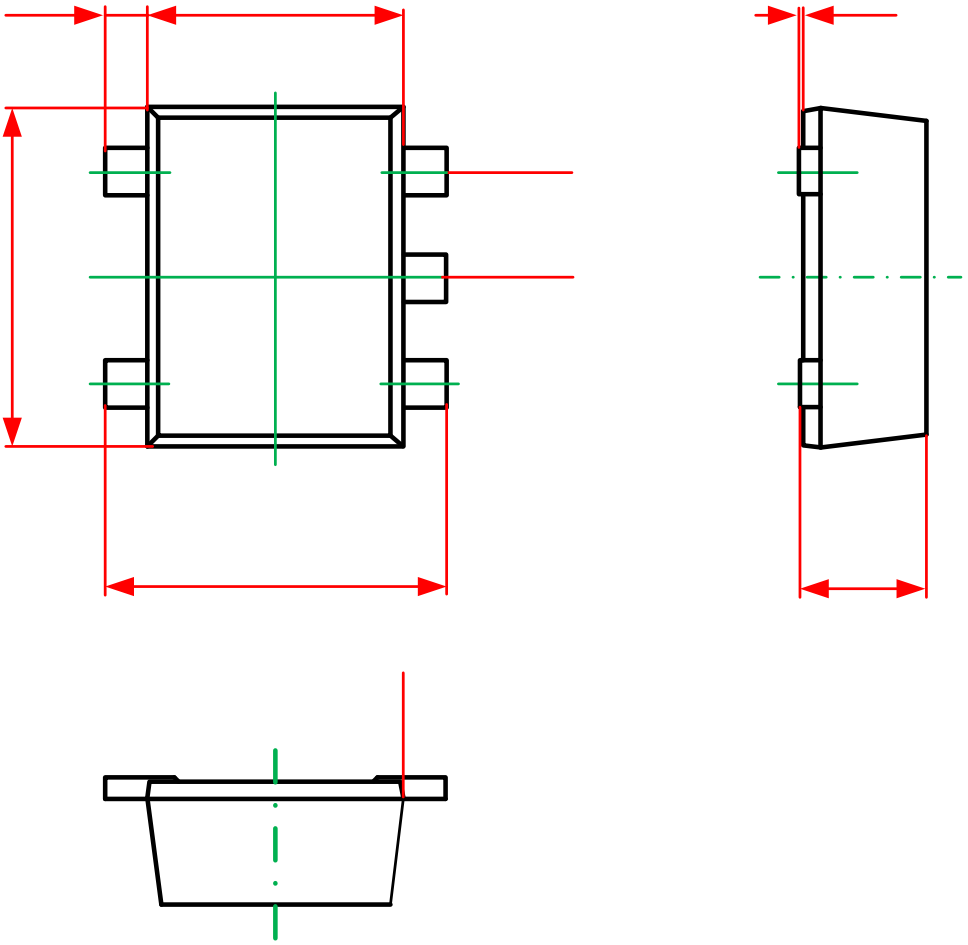
■ Mangentic Characteristics

(T_A=+25 ,V_{DD}=3.0V, Unless otherwise specified)

Symbol	Min	Typ	Max	Unit
BOPS	4	6	9	mT
BRPS	2	4.5	7.5	mT
BOPN	-9	-6		

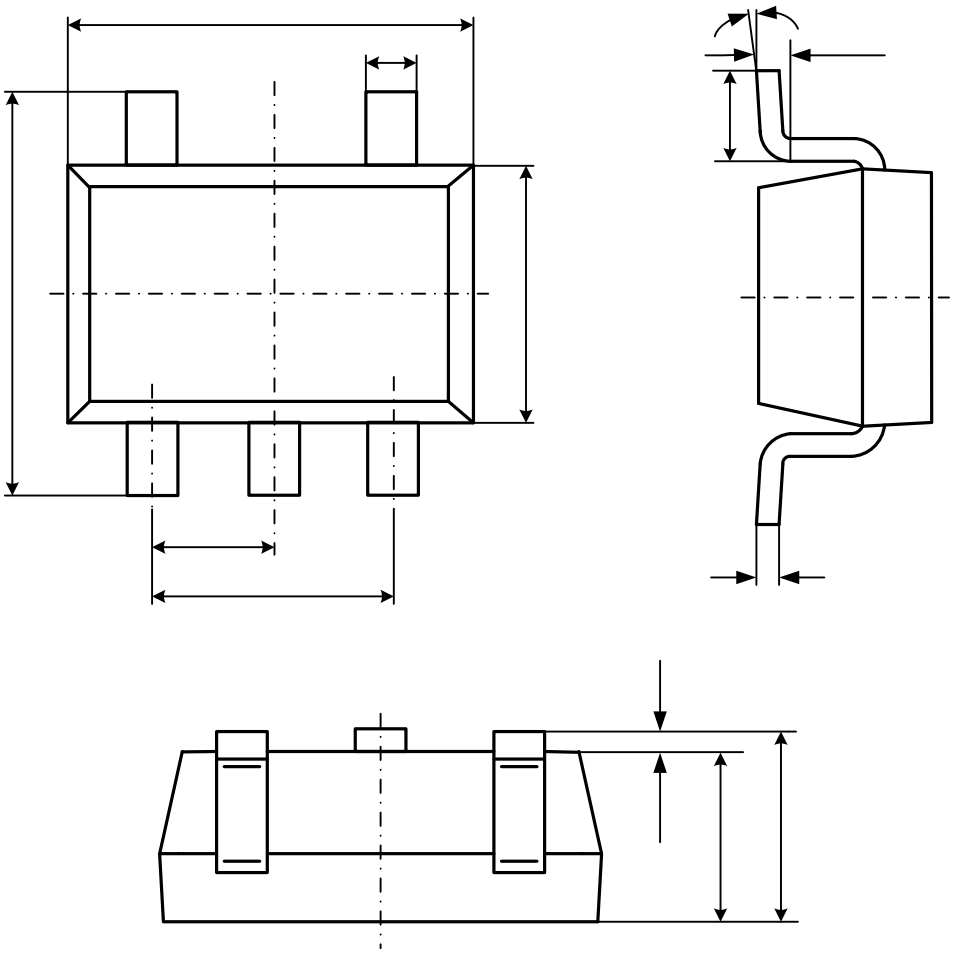
■ Package

SOT-553



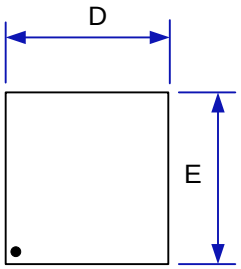
Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max

SOT23-5L

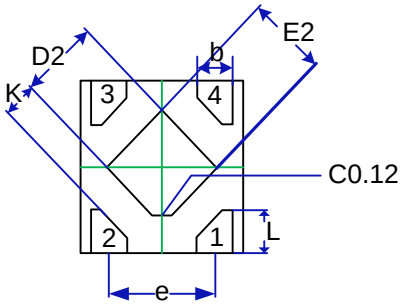


Symbol

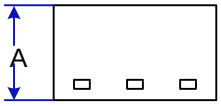
DFN1010-4L



TOP VIEW



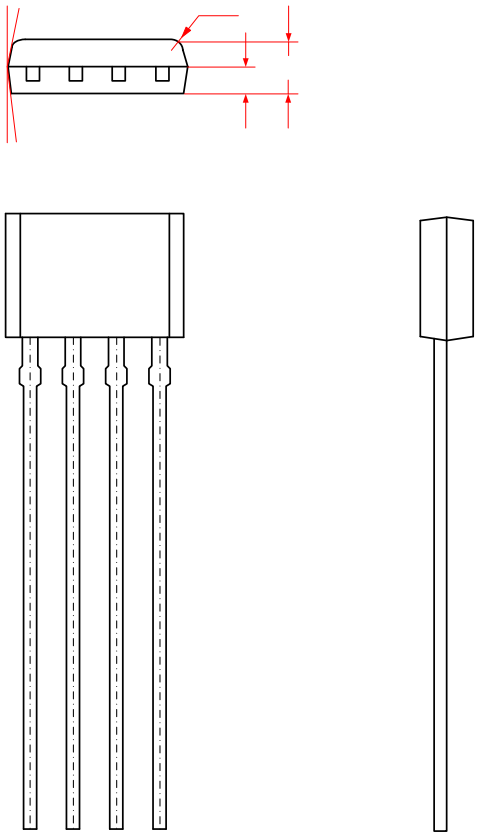
BOTTOM VIEW



SIDE VIEW

Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.34	0.40	0.013	0.016
b	0.17	0.27	0.007	0.011
D	0.95	1.05	0.037	0.041
E	0.95	1.05		

TO-94



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	3.55	3.75	0.140	0.148