CTRICAL CHARACTERISTICS TA = 25°C, VCC = +5V to +15 unless otherwise specified

PARAMETER	TEST CONDITIONS	SE 555			NE 555			UNITS
		MIN	TYP	MAX	MIN	TYP	MAX	
pply Voltage		4.5		18	4.5		16	V
pply Current	VCC = 5V RL = ∞		3	5		3	6	mA
	VCC = 15V RL = ∞		10	12		10	15	mA
	Low State, Note 1							
ing Error (Monostable)	RA = 2KΩ to 100 KΩ							
Initial Accuracy	C = 0.1μF Note 2		0.5	2		1		%
Drift with Temperature			30	100		50		ppm/°C
Drift with Supply Voltage			0.05	0.2		0.1		%/Volt
ing Error (Astable)	RA, RB = 2KΩ to 100 KΩ							
Initial Accuracy	C = 0.1μF Note 2							
Drift with Temperature			1.5			2.25		%
Drift with Supply Voltage			90			150		ppm/°C
			0.15			0.3		%/Volt
eshold Voltage			2/3			2/3		X VCC
gger Voltage	VCC = 15V	4.8	5	5.2		5		V
	VCC = 5V	1.45	1.67	1.9		1.67		V
gger Current			2.0			2.0		μA
set Voltage (Note 4)		0.4	0.7	1.0	0.4	0.7	1.0	V
set Current			0.1			0.1		mA
eshold Current	Note 3		0.1	.25		0.1	.25	μA
trol Voltage Level	VCC = 15V	9.6	10	10.4	9	10	11	V
	VCC = 5V	2.9	3.33	3.8	2.6	3.33	4	V
put Voltage (low)	VCC = 15V							
	ISINK = 10mA		0.1	0.15		0.1	.25	V
	ISINK = 50mA		0.4	0.5		0.4	.75	V
	ISINK = 100mA		2.0	2.2		2.0	2.5	V
	ISINK = 200mA		2.5			2.5		
	VCC = 5V							
	ISINK = 8mA		0.1	0.25				V
	ISINK = 5mA					.25	.35	
put Voltage (High)								
	ISOURCE = 200mA		12.5			12.5		
	VCC = 15V							
	ISOURCE = 100mA							
	VCC = 15V	13.0	13.3		12.75	13.3		V
	VCC = 5V	3.0	3.3		2.75	3.3		V
e Time of Output			100			100		nsec
l Time of Output			100			100		nsec
charge Leakage Current			20	100		20	100	NA

y Current when output high typically 1mA less.
ed at VCC = 5V and VCC = 15V
will determine the maximum value of RA + RBF for 15V operation, the max total R = 20 megohm, and for 5V operation, the max. total R = 6.8 megohm.
ed with trigger input high.