2N3494 2N3495

SILICON PNP TRANSISTORS

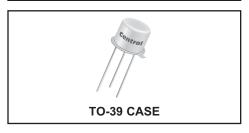


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DESCRIPTION:

The CENTRAL SEMICONDUCTOR 2N3494 and 2N3495 are silicon PNP transistors designed for general purpose amplifier and switching applications.





MAXIMUM RATINGS: (T _A =25°C)	SYMBOL	2N3494	2N3495	UNITS
Collector-Base Voltage	V_{CBO}	80	120	V
Collector-Emitter Voltage	VCEO	80	120	V
Emitter-Base Voltage	V _{EBO}	4.	5	V
Continuous Collector Current	IC	10	00	mA
Power Dissipation	P_{D}	0.	6	W
Power Dissipation (T _C =25°C)	PD	3.	0	W
Operating and Storage Junction Temperature	T _J , T _{stg}	-65 to	+200	°C

ELECTRICAL CHARACTERISTICS: (T_A=25°C unless otherwise noted)

			<u>2N3494</u>		<u>2N3495</u>	
SYMBOL	TEST CONDITIONS	MIN	MAX	MIN	MAX	UNITS
ICBO	V _{CB} =50V (2N3494)	-	100	-	-	nA
I _{CBO}	V _{CB} =90V (2N3495)	-	-	-	100	nA
I _{EBO}	V _{EB} =3.0V	-	25	-	25	nA
BVCBO	I _C =10μA	80	-	120	-	V
BVCEO	I _C =10mA	80	-	120	-	V
BVEBO	I _E =10μA	4.5	-	4.5	-	V
VCE(SAT)	I _C =10mA, I _B =1.0mA	-	0.3	-	0.35	V
V _{BE} (SAT)	I _C =10mA, I _B =1.0mA	0.6	0.9	0.6	0.9	V
h _{FE} ` ′	V _{CE} =10V, I _C =100μA	35	-	35	-	
hFE	V _{CE} =10V, I _C =1.0mA	40	-	40	-	
h _{FE}	V _{CE} =10V, I _C =10mA	40	-	40	-	
h _{FE}	V _{CE} =10V, I _C =50mA	40	-	40	-	
hFE	V _{CE} =10V, I _C =100mA	35	-	-	-	
f _T	V _{CE} =10V, I _C =20mA, f=100MHz	200	-	150	-	MHz
C _{ob}	V _{CB} =10V, I _E =0, f=100kHz	-	7.0	-	6.0	pF
C _{ib}	V _{EB} =2.0V, I _C =0, f=100kHz	-	30	-	30	pF
h _{ie}	V _{CE} =10V, I _C =10mA, f=1.0kHz	0.1	1.2	0.1	1.2	kΩ
h _{re}	V _{CE} =10V, I _C =10mA, f=1.0kHz	-	2.0	-	2.0	x10 ⁻⁴
h _{fe}	V _{CE} =10V, I _C =10mA, f=1.0kHz	40	300	40	300	
h _{oe}	V _{CE} =10V, I _C =10mA, f=1.0kHz	-	300	-	300	μS
Re(h _{ie})	V _{CE} =10V, I _C =20mA, f=300MHz	-	30	-	30	Ω
ton	V _{CC} =30V, I _C =10mA, I _{B1} =1.0mA	-	300	-	300	ns
toff	V _{CC} =30V, I _C =10mA, I _{B1} =I _{B2} =1.0mA	-	1.0	-	1.0	ms

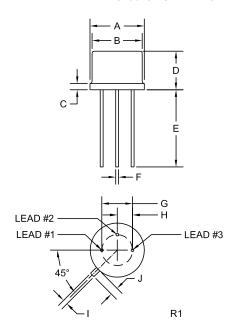
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SILICON PNP TRANSISTORS



TO-39 CASE - MECHANICAL OUTLINE



DIMENSIONS						
	INCHES		MILLIMETERS			
SYMBOL	MIN	MAX	MIN	MAX		
A (DIA)	0.335	0.370	8.51	9.40		
B (DIA)	0.315	0.335	8.00	8.51		
С	-	0.040	-	1.02		
D	0.240	0.260	6.10	6.60		
E	0.500	-	12.70	-		
F (DIA)	0.016	0.021	0.41	0.53		
G (DIA)	0.200		5.08			
Н	0.100		2,54			
	0.028	0.034	0.71	0.86		
J	0.029	0.045	0.74	1.14		

TO-39 (REV: R1)

LEAD CODE:

- 1) Emitter
- 2) Base
- 3) Collector

MARKING: FULL PART NUMBER

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SILICON PNP TRANSISTORS



SERVICES

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- Custom Electrical Characteristic Curves
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- Package Base Options
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