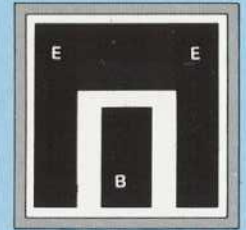


**MEDIUM CURRENT PNP**

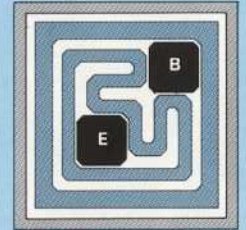
100% Probe Tested to These Parameters @ 25°C

Guaranteed  
(tested on  
sample basis)

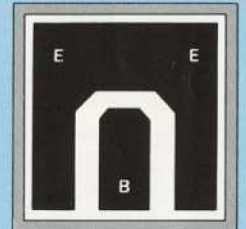
	h <sub>FE</sub> @V <sub>CE</sub> = 10V			V <sub>CBO</sub> Volts Min. @I <sub>C</sub> = 10μA I <sub>E</sub> =0	V <sub>CEO</sub> Volts Min. @I <sub>C</sub> = 10mA I <sub>B</sub> =0	V <sub>EBO</sub> Volts Min. @I <sub>B</sub> = 10μA I <sub>C</sub> =0	I <sub>CBO</sub> nA Max. @V <sub>CB</sub> as below I <sub>E</sub> =0	V <sub>CE</sub> (SAT.) Volts Max. @I <sub>C</sub> =150mA I <sub>B</sub> =15mA	C <sub>OB</sub> pF Max. @V <sub>CB</sub> =10V I <sub>E</sub> =0 f=100KHz	f <sub>t</sub> MHz Min. @I <sub>C</sub> =20mA V <sub>CE</sub> =20V f=100MHz	GEOM- ETRY
	@I <sub>C</sub> = 1.0mA	@I <sub>C</sub> = 10mA	@I <sub>C</sub> = 150mA								
2N2218/21	25 MIN	35 MIN	40- 120	60	30	5	V <sub>CB</sub> = 50 10	0.4	8.0	250	A,B
2N2218A/21A	25 MIN	35 MIN	40- 120	70	40	6	V <sub>CB</sub> = 60 10	0.4	8.0	250	A,B
2N2219/22	50 MIN	75 MIN	100- 300	60	30	5	V <sub>CB</sub> = 50 10	0.3	8.0	250	A,B
2N2219A/22A	50 MIN	75 MIN	100- 300	70	40	6	V <sub>CB</sub> = 60 10	0.3	8.0	250	A,B
DN2219A/22A	75 MIN	100 MIN	125- 300	90	50	6.5	V <sub>CB</sub> = 60 10	0.25	8.0	250	B



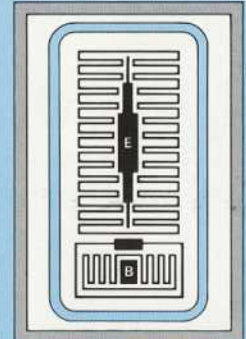
17.0 x 17.0 MILS



22.0 x 22.0 MILS



19.0 x 19.0 MILS



100 x 150 MILS

**MEDIUM CURRENT PNP**

100% Probe Tested to These Parameters @ 25°C

Guaranteed  
(tested on  
sample basis)

	h <sub>FE</sub> @V <sub>CE</sub> = 10V			V <sub>CBO</sub> Volts Min. @I <sub>C</sub> = 10μA I <sub>E</sub> =0	V <sub>CEO</sub> Volts Min. @I <sub>C</sub> = 10mA I <sub>B</sub> =0	V <sub>EBO</sub> Volts Min. @I <sub>B</sub> = 10μA I <sub>C</sub> =0	I <sub>CBO</sub> nA Max. @V <sub>CB</sub> 50V I <sub>E</sub> =0	V <sub>CE</sub> (SAT.) Volts Max. @I <sub>C</sub> =150mA I <sub>B</sub> =15mA	C <sub>OB</sub> pF Max. @V <sub>CB</sub> =10V I <sub>E</sub> =0 f=100KHz	f <sub>t</sub> MHz Min. @I <sub>C</sub> =50mA V <sub>CE</sub> =20V f=100MHz	GEOM- ETRY
	@I <sub>C</sub> = 1.0mA	@I <sub>C</sub> = 10mA	@I <sub>C</sub> = 150mA								
2N2906/4	25 MIN	35 MIN	40- 120	60	40	5	20	0.4	8.0	200	B,C
2N2906A/4A	40 MIN	40 MIN	40- 120	60	60	5	10	0.4	8.0	200	B,C
2N2907/5	50 MIN	75 MIN	100- 300	60	40	5	20	0.4	8.0	200	B,C
2N2907A/5A	100 MIN	100 MIN	100- 300	60	60	5	10	0.4	8.0	200	B,C
DP2907A	125 MIN	125 MIN	125- 300	70	60	5	10	0.3	8.0	250	B

**POWER DARLINGTON NPN**

100% Probe Tested to These Parameters @ 25°C

	h <sub>FE</sub> @V <sub>CE</sub> = 10V		V <sub>CBO</sub> Volts Min. @ I <sub>C</sub> = 100μA	V <sub>CEO</sub> Volts Min. @ I <sub>C</sub> = 10mA	V <sub>EBO</sub> Volts Min. @ I <sub>C</sub> = 100 mA	I <sub>CBO</sub> μA Max. @ V <sub>CBO</sub> = 350V	V <sub>CE</sub> (SAT.) Volts Max. @		V <sub>BE</sub> (SAT.) Volts Max. @ I <sub>C</sub> = 1A I <sub>B</sub> = .1A	Switching Time (μs) With Resistance Load @		GEOM- ETRY
	@ I <sub>C</sub> = 100mA	@ I <sub>C</sub> = 1A					I <sub>C</sub> = 100mA I <sub>B</sub> = 10mA	I <sub>C</sub> = 1A I <sub>B</sub> = 1A		I <sub>C</sub> = 1A I <sub>B2</sub> = 100mA ts	I <sub>B</sub> = 100mA V <sub>CE</sub> = 50V tf	
	PD-4	50	350 (Typ.)	450	400	7	20	1.5	1.2 (Typ.)	3	2 (Typ.)	1 (Typ.)
*PDI-4	20	75 (Typ.)	400	350	7	20	2.0	1.5 (Typ.)	3	2 (Typ.)	1 (Typ.)	D

\* Dielectrically Isolated Version of PD-4