

TRANSISTOR CHIPS

1

MEDIUM CURRENT PNP

100% Probe Tested to These Parameters @ 25°C

Guaranteed
tested on
(sample basis)

	hFE @VCE = 10V		VCBO Volts Min. @IC = 10μA IE = 0	VCEO Volts Min. @IC = 10mA IE = 0	VCE0 Volts Min. @IC = 10mA IE = 0	VEBO Volts Min. @IB = 10μA IC = 0	ICBO nA Max. @VCE = 50V IE = 0	VCE(SAT.) Volts Max. @IC = 150mA IB = 15mA	COB pF Max. @VCE = 10V IE = 0 f = 100KHz	ft MHz Min. @IC = 20mA VCE = 20V f = 100MHz	GEOM- ETRY
	@IC = 1.0mA	@IC = 10mA									
2N2218/21	25 MIN	35 MIN	40- 120	60	30	5	VCB = 50 10	0.4	8.0	250	A,B
2N2218A/21A	25 MIN	35 MIN	40- 120	70	40	6	VCB = 60 10	0.4	8.0	250	A,B
2N2219/22	50 MIN	75 MIN	100- 300	60	30	5	VCB = 50 10	0.3	8.0	250	A,B
2N2219A/22A	50 MIN	75 MIN	100- 300	70	40	6	VCB = 60 10	0.3	8.0	250	A,B
DN2219A/22A	75 MIN	100 MIN	125- 300	90	50	6.5	VCB = 60 10	0.25	8.0	250	B

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	hFE @VCE = 10V		VCBO Volts Min. @IC = 10μA IE = 0	VCEO Volts Min. @IC = 10mA IE = 0	VCE0 Volts Min. @IC = 10mA IE = 0	VEBO Volts Min. @IB = 10μA IC = 0	ICBO nA Max. @VCE = 50V IE = 0	VCE(SAT.) Volts Max. @IC = 150mA IB = 15mA	COB pF Max. @VCE = 10V IE = 0 f = 100KHz	ft MHz Min. @IC = 50mA VCE = 20V f = 100MHz	GEOM- ETRY
	@IC = 1.0mA	@IC = 10mA									
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

	hFE @VCE = 10V		VCBO Volts Min. @IC = 100μA IE = 0	VCEO Volts Min. @IC = 10mA IE = 0	VEBO Volts Min. @IC = 100 mA IE = 0	ICBO μA Max. @VCE = 350V	VCE(SAT.) Volts Max. @		VBE(SAT.) Volts Max. @		Switching Time (μs) With Resistance Load @	GEOM- ETRY
	@ IC = 100mA	@ IC = 1A					IC = 100mA IB = 10mA	IC = 1A IB = 1A	IC = 1A IB = .1A	IC = 1A IB2 = 100mA VCE = 50V		
PD-4	50	350 (Typ.)	450	400	7	20	1.5	1.2 (Typ.)	3	2 (Typ.)	1 (Typ.)	D
*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

