

HIGH-FREQUENCY - SMALL SIGNAL NPN

100% Probe Tested to These Parameters @ 25°C

Guaranteed tested on (sample basis)

Part No.	hFE		V <sub>CE0</sub> Volts Min.	V <sub>BE0</sub> Volts Min.	I <sub>CBO</sub> nA Max.	V <sub>CE</sub> (SAT.) Volts Max.	C <sub>OB</sub> pF Max.	f <sub>t</sub> MHz Min.	GEOM-ETRY
	@ V <sub>CE</sub> =1V	I <sub>C</sub> =3mA	@ I <sub>C</sub> =3mA	@ I <sub>E</sub> =0	@ V <sub>CB</sub> 15V	@ I <sub>C</sub> =10mA	@ V <sub>CB</sub> =10V	@ I <sub>C</sub> =4mA	
2N918	20 MIN		15	3	10	0.4	1.7	600	E, F
DN918	100 MIN		15	5	10	0.25	1.5	800	F
2N3572	hFE Min.		BV <sub>CEO</sub> Min.		I <sub>CBO</sub> Max.	I <sub>EBO</sub> Max.			G
	V <sub>CE</sub> = 5V	I <sub>C</sub> = 100μA	I <sub>CE</sub> = 3mA	I <sub>CB</sub> = 10μA	V <sub>CB</sub> = 20V	V <sub>EB</sub> = 3V	f <sub>t</sub> Min.		
	30		20	30	10	10	1000		

HIGH VOLTAGE - SMALL SIGNAL NPN

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Guaranteed tested on (sample basis)

Part No.	hFE		V <sub>CE0</sub> Volts Min.	V <sub>BE0</sub> Volts Min.	I <sub>CBO</sub> μA Max.	V <sub>CE</sub> (SAT.) Volts Max.	C <sub>OB</sub> pF Max.	f <sub>t</sub> MHz Min.	GEOM-ETRY
	@ V <sub>CE</sub> = 10V	I <sub>C</sub> = 20mA	@ I <sub>C</sub> = 100μA	@ I <sub>E</sub> = 0	@ V <sub>CB</sub> = 350V	@ I <sub>C</sub> = 20mA	@ V <sub>CB</sub> = 10V	@ V <sub>CE</sub> = 10V	
DN-2001	40-160		450	6	20	0.20	10	15	H
DN 1006-2	hFE @ V <sub>CE</sub> = 10V		BV <sub>CEO</sub> Min.	V <sub>BE0</sub> Volts Min.	I <sub>CBO</sub> Max.	V <sub>CE</sub> (SAT.) Volts Max.	C <sub>OB</sub> pF Max.	f <sub>t</sub> MHz Min.	I
	@ I <sub>C</sub> = 1.0mA	I <sub>C</sub> = 20mA	@ I <sub>C</sub> = 10μA	@ I <sub>E</sub> = 0	@ V <sub>CB</sub> = 350V	@ I <sub>C</sub> = 20mA	@ V <sub>CB</sub> = 10V	@ V <sub>CE</sub> = 10V	
	20		450	6.0	20	0.85	20 pF	15 MHz	
DN 1008	hFE @ V <sub>CE</sub> = 10V		BV <sub>CEO</sub> Min.	BV <sub>EBO</sub> Volts Min.	I <sub>CBO</sub> μA Max.	V <sub>CE</sub> (SAT.) Volts Max.	C <sub>OB</sub> pF Max.	f <sub>t</sub> MHz Min.	J
	@ I <sub>C</sub> = 2mA	I <sub>C</sub> = 20mA	@ I <sub>C</sub> = 10μA	@ I <sub>C</sub> = 20μA	@ V <sub>CB</sub> = 350V	@ I <sub>C</sub> = 50mA	@ V <sub>CB</sub> = 10V	@ V <sub>CE</sub> = 10V	
	30 MIN		450	6	20	0.5	10	15	

