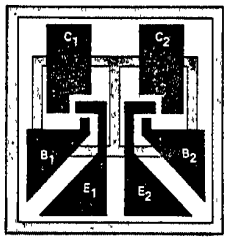
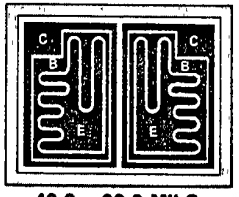
HIGH GAIN – SMALL SIGNAL – NPN – MATCHED PAIRS

100% Probe Tested to These Parameters @ 25°C — Guaranteed (tested on sample basis)

	Matched Characteristics I_C=10 μA; V_{CE}=5V		V_{CBO} Volts Min. @ I_C=10 μA I_E=0	V_{CEO} Volts Min. @ I_C=1 mA I_B=0	V_{EBO} Volts Min. @ I_E=10 μA I_C=0	I_{CBO} nA Max. @ I_E=0 V_{CB} as below	h_{FE} Min. @ V_{CE}=5V		C_{OB} pF Max. @ I_E=0 V_{CB}=5V	f_t MHz Min. @ I_C=1 mA V_{CE}=10V	GEOM-ETRY
	V_{BE} Diff. (V_{BE1}-V_{BE2}) mV Max.	DC Gain Ratio h_{FE1}/h_{FE2}					@ I_C= 10 μA	@ I_C= 1 mA			
DI 4044 4878	3.0	0.9 to 1.0	60	60	7	0.1 @ V_{CB} = 45	200	225	0.8	200	M
DI 4100 4879	5.0	0.85 to 1.0	55	55	7	0.1 @ V_{CB} = 45	150	175	0.8	150	M
DI 4045 4880	5.0	0.8 to 1.0	45	45	7	0.1 @ V_{CB} = 30	80	100	0.8	150	M
DI 4045-1	10.0	0.8 to 1.0	30	30	7	0.1 @ V_{CB} = 25	80	100	0.8	150	M
	I_C = 10 mA	I_C = 1mA	I_C = 100μA	I_C = 30mA	I_E = 100μA		@ I_C = 10mA	V_{CE} (SAT.) I_C = 50mA 5mA		I_E = 50mA	
DI-2060	5mV	0.9 to 1.0	100	60	7	2.0 @ V_{CE} = 80	50	1.2	15 pf	50	N



M — 20.0 x 20.0 MILS

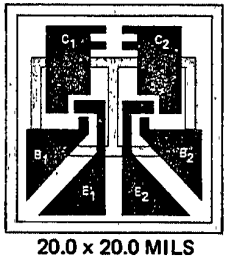


N — 40.0 x 30.0 MILS

HIGH FREQUENCY – SMALL SIGNAL – NPN MATCHED PAIRS

100% Probe Tested to These Parameters @ 25°C — Guaranteed (tested on sample basis)

	Matched Characteristics I_C=1 mA; V_{CE}=3 V		V_{CBO} Volts Min. @ I_C= 1 μA I_E=0	V_{CEO} Volts Min. @ I_C=3 mA I_B=0	V_{EBO} Volts Min. @ I_E=10 μA I_C=0	I_{CBO} nA Max. @ I_E=0 V_{CB}=15V	h_{FE} Min. @ V_{CE}=1V		C_{OB} pF Max. @ I_E=0 V_{CB}=0	f_t MHz Min. @ I_C=3 mA V_{CE}=10V	GEOM-ETRY
	V_{BE} Diff. (V_{BE1}-V_{BE2}) mV Max.	DC Gain Ratio h_{FE1}/h_{FE2}					@ I_C= 1 mA	@ I_C= 3 mA			
DI 3424 3423	5.0 10.0	0.9 to 1.0 0.8 to 1.0	30	15	3	10	20	20	1.5	800	O

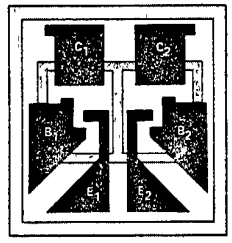


O — 20.0 x 20.0 MILS

HIGH GAIN – SMALL SIGNAL – PNP – MATCHED PAIRS

100% Probe Tested to These Parameters @ 25°C — Guaranteed (tested on sample basis)

	Matched Characteristics I_C=10 μA; V_{CE}=5V		V_{CBO} Volts Min. @ I_C=10 μA I_E=0	V_{CEO} Volts Min. @ I_C=1 mA I_B=0	V_{EBO} Volts Min. @ I_E=10 μA I_C=0	I_{CBO} nA Max. @ I_E=0 V_{CB} as below	h_{FE} Min. @ V_{CE}=5V		C_{OB} pF Max. @ I_E=0 V_{CB}=5V	f_t MHz Min. @ I_C= 0.5mA V_{CE}=10V	GEOM-ETRY
	V_{BE} Diff. (V_{BE1}-V_{BE2}) mV Max.	DC Gain Ratio h_{FE1}/h_{FE2}					@ I_C= 10 μA	@ I_C= 500μA			
DI 5117 5120	3.0	0.9 to 1.0	45	45	7	0.1 @ V_{CB} =30	100-300	100 Min	0.8	100	P
DI 5118 5121	5.0	0.85 to 1.0	45	45	7	0.1 @ V_{CB} =30	100-300	100 Min	0.8	100	P
DI 5119 5122	5.0	0.8 to 1.0	45	45	7	0.1 @ V_{CB} =30	50-800	50 Min	0.8	100	P
DI 5119-1	10.0	0.8 to 1.0	30	30	7	0.1 @ V_{CB} =25	50-800	50 Min	0.8	100	P



P — 20.0 x 20.0 MILS