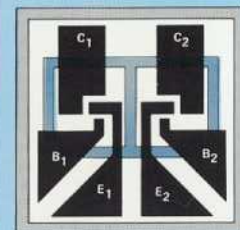


HIGH GAIN – SMALL SIGNAL – NPN – MATCHED PAIRS

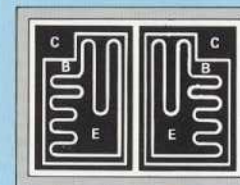
100% Probe Tested to These Parameters @ 25°C

Guaranteed
(tested on
sample basis)

	Matched Characteristics $I_C=10\ \mu\text{A}; V_{CE}=5\text{V}$		V_{CBO} Volts Min. @ $I_C=10\ \mu\text{A}$ $I_E=0$	V_{CEO} Volts Min. @ $I_C=1\ \text{mA}$ $I_B=0$	V_{EBO} Volts Min. @ $I_E=10\ \mu\text{A}$ $I_C=0$	I_{CBO} nA Max. @ $I_E=0$ V_{CB} as below	h_{FE} Min. @ $V_{CE}=5\text{V}$		C_{OB} pF Max. @ $I_E=0$ $V_{CB}=5\text{V}$	f_t MHz Min. @ $I_C=1\ \text{mA}$ $V_{CE}=10\text{V}$	GEOM- ETRY
	V_{BE} Diff. ($V_{BE1}-V_{BE2}$) mV Max.	DC Gain Ratio h_{FE1}/h_{FE2}					@ $I_C=10\ \mu\text{A}$	@ $I_C=1\ \text{mA}$			
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
	$I_C = 10\ \text{mA}$	$I_C = 1\ \text{mA}$	$I_C = 100\ \mu\text{A}$	$I_C = 30\ \text{mA}$	$I_E = 100\ \mu\text{A}$		@ $I_C = 10\ \text{mA}$	$V_{CE}(\text{SAT.})$ $I_C = 50\ \text{mA}$ $5\ \text{mA}$		$I_E = 50\ \text{mA}$	
DI-2060	5mV	0.9 to 1.0	100	60	7	2.0 @ $V_{CE} = 80$	50	1.2	15 pf	50	N



20.0 x 20.0 MILS



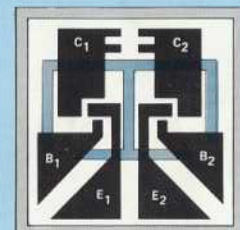
40.0 x 30.0 MILS

HIGH FREQUENCY – SMALL SIGNAL – NPN MATCHED PAIRS

100% Probe Tested to These Parameters @ 25°C

Guaranteed
(tested on
sample basis)

	Matched Characteristics $I_C=1\ \text{mA}; V_{CE}=3\ \text{V}$		V_{CBO} Volts Min. @ $I_C=1\ \mu\text{A}$ $I_E=0$	V_{CEO} Volts Min. @ $I_C=3\ \text{mA}$ $I_B=0$	V_{EBO} Volts Min. @ $I_E=10\ \mu\text{A}$ $I_C=0$	I_{CBO} nA Max. @ $I_E=0$ $V_{CB}=15\text{V}$	h_{FE} Min. @ $V_{CE}=1\text{V}$		C_{OB} pF Max. @ $I_E=0$ $V_{CB}=0$	f_t MHz Min. @ $I_C=3\ \text{mA}$ $V_{CE}=10\text{V}$	GEOM- ETRY
	V_{BE} Diff. ($V_{BE1}-V_{BE2}$) mV Max.	DC Gain Ratio h_{FE1}/h_{FE2}					@ $I_C=1\ \mu\text{A}$	@ $I_C=3\ \text{mA}$			
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	0



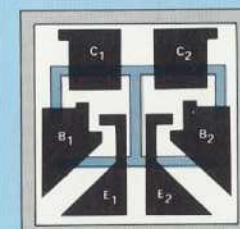
20.0 x 20.0 MILS

HIGH GAIN – SMALL SIGNAL – PNP – MATCHED PAIRS

100% Probe Tested to These Parameters @ 25°C

Guaranteed
(tested on
sample basis)

	Matched Characteristics $I_C=10\ \mu\text{A}; V_{CE}=5\text{V}$		V_{CBO} Volts Min. @ $I_C=10\ \mu\text{A}$ $I_E=0$	V_{CEO} Volts Min. @ $I_C=1\ \text{mA}$ $I_B=0$	V_{EBO} Volts Min. @ $I_E=10\ \mu\text{A}$ $I_C=0$	I_{CBO} nA Max. @ $I_E=0$ V_{CB} as below	h_{FE} Min. @ $V_{CE}=5\text{V}$		C_{OB} pF Max. @ $I_E=0$ $V_{CB}=5\text{V}$	f_t MHz Min. @ $I_C=0.5\ \text{mA}$ $V_{CE}=10\text{V}$	GEOM- ETRY
	V_{BE} Diff. ($V_{BE1}-V_{BE2}$) mV Max.	DC Gain Ratio h_{FE1}/h_{FE2}					@ $I_C=10\ \mu\text{A}$	@ $I_C=500\ \mu\text{A}$			
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



20.0 x 20.0 MILS