

12 AMP DARLINGTON - NPN

TYPE NO. CBSE111

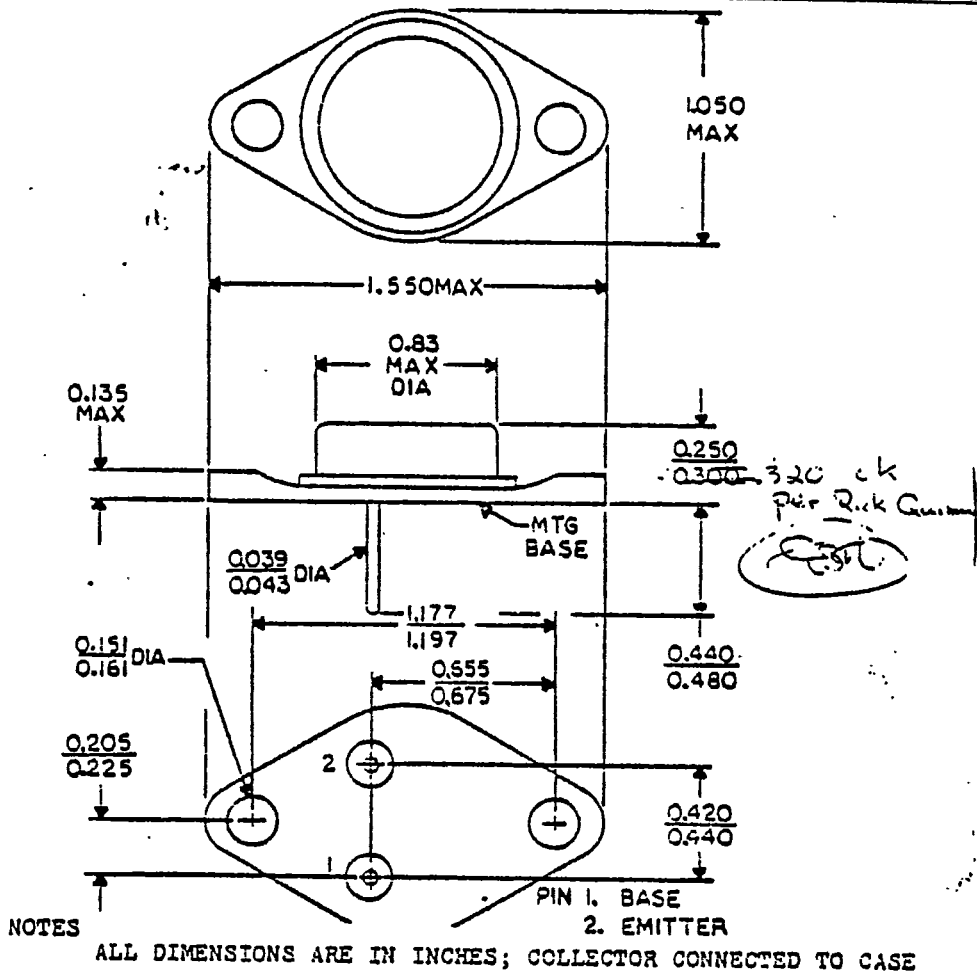
GROUP A AND/OR PERFORMANCE CHARACTERISTICS

NPN

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1					
2	I_{-CEO}	$V_{-CE} = 50V$		1.0	mA
3	I_{-EBO}	$V_{-BE} = 5.0V$		2.0	mA
4	h_{-FE}	$I_C = 6.0A$ $V_{-CE} = 3.0V$	750	18000	
5	$V_{-CE(S)}$	$I_C = 6.0A$ $I_B = 24mA$		2.0	V
6	$V_{-BE(ON)}$	$I_C = 6.0A$ $V_{-CE} = 3.0V$		2.8	V
7	* h_{-FE}	$I_C = 400mA$ $V_{-CE} = 2.0V$	2000		
8		SUB I 5(1)			
9	750-2071	VISUAL AND MECHANICAL (REF FIG. 1 PAGE 4)			
10					
11		SUB II 10(2)			
12	V_{-CEO}	$I_C = 100mA$	100		V
13	I_{-CEX}	$V_{-CE} = 100V$ $V_{BE(OFF)} = 1.5V$		500	μA
14	I_{-CEX}	$V_{-CE} = 100V$ $V_{BE(OFF)} = 1.5V$ $T_C = 150^\circ C$		5.0	mA
15	$V_{-CE(S)}$	$I_C = 12.0A$ $I_B = 120mA$		3.0	V
16	$V_{-BE(S)}$	$I_C = 12.0A$ $I_B = 120mA$		4.0	V
17	h_{-fe}	$I_C = 5.0A$ $V_{-CE} = 3.0V$ $f = 1.0MHz$	4.0		
18	C_{ob0}	$V_{-CB} = 10V$ $f = 0.1MHz$		300	PF
19	h_{-fe}	$I_C = 5.0A$ $V_{-CE} = 3.0V$ $f = 1.0KHz$	300		
20					
21					

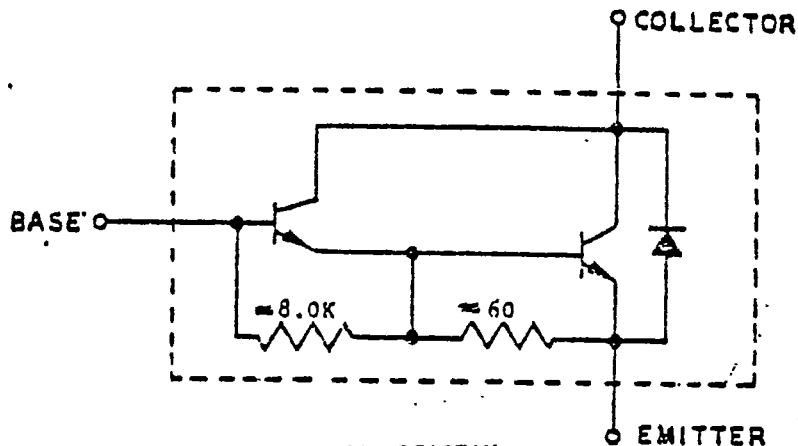
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ADDITIONAL REQUIREMENTS



DIMENSIONS AND CONNECTION DIAGRAM

FIGURE 1



SCHEMATIC DIAGRAM