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SPECIFICATIONS

NO.: 2N3150

TYPE: NPN

CASE: TO-114

MAXIMUM RATINGS

Voltage, Collector to Base (V_{CBO})	100	V
Voltage, Collector to Emitter (V_{CEO})	100	V
Voltage, Emitter to Base (V_{EBO})	10	V
Collector Current (I_C)	70	A
Base Current (I_B)	15	A
Maximum Thermal Resistance, Junction to Case	0.5	°C/W
Maximum Junction Temperature	-65° To +200	°C
Power of Transistor (P_T), $T_C = 100^\circ\text{C}$	200	WATT

TA = 25°C		PERFORMANCE CHARACTERISTICS	UNLESS OTHERWISE NOTED		
NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1	$V_{CE(S)}^*$	$I_C = 200\text{mA}$	80		V
2	I_{EBO}	$V_{EB} = 10\text{V}$		1.0	mA
3	I_{CEX1}	$V_{CE} = 100\text{V}$ $V_{EB} = 1.5\text{V}$		2.0	mA
4	h_{FE}^*	$I_C = 50\text{A}$ $V_{CE} = 3.0\text{V}$	10		
5	$V_{CE(S)}^*$	$I_C = 50\text{A}$ $I_B = 10\text{A}$		1.5	V
6	$V_{BE(S)}^*$	$I_C = 50\text{A}$ $I_B = 10\text{A}$		2.5	V
7	I_{CEX2}	$V_{CE} = 100\text{V}$ $V_{EB} = 1.5\text{V}$, $T_C = 150^\circ\text{C}$		20	mA
8	h_{fe}	$I_C = 5.0\text{A}$ $V_{CE} = 10\text{V}$, $f = 100\text{KHz}$	1.0		
9	t_r			9.5	USEC
10	t_s			10	USEC
11	t_f	PRT CIRCUIT No. 32		10	USEC
12	t_{on}			10	USEC
13	t_{off}			20	USEC
14					
15					
16					
17					
18					
19					
20					

NOTES: * PULSED: P.W. = 300USEC; D.C. = $\leq 2\%$
JEDEC:

MARK:

2N3150

REV "A" REWRITE NEW FORMAT.
ADDED THREE DIGIT EDP
2-11-82 S.



Customer: