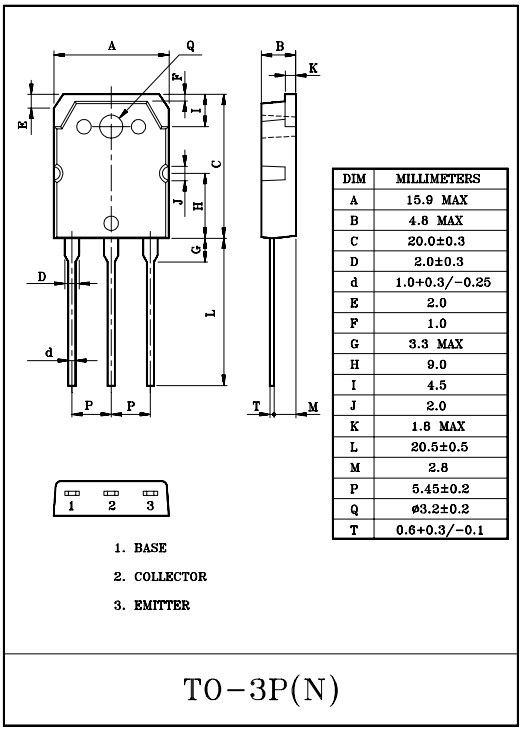
TIP36C

TRIPLE DIFFUSED PNP TRANSISTOR

HIGH POWER AMPLIFIER APPLICATION.

FEATURES

- Complementary to TIP35C.
- Recommended for 75W Audio Frequency Amplifier Output Stage.
- Icmax:-25A



DIM	MILLIMETERS
A	15.9 MAX
B	4.8 MAX
C	20.0±0.3
D	2.0±0.3
d	1.0+0.3/−0.25
E	2.0
F	1.0
G	3.3 MAX
H	9.0
I	4.5
J	2.0
K	1.8 MAX
L	20.5±0.5
M	2.8
P	5.45±0.2
Q	ø3.2±0.2
T	0.6+0.3/−0.1

TO-3P(N)

MAXIMUM RATINGS (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	-100	V
Collector-Emitter Voltage	V_{CEO}	-100	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-25	A
Base Current	I_B	-5.0	A
Collector Power Dissipation (Tc=25℃)	P_C	125	W
Junction Temperature	T_j	150	℃
Storage Temperature Range	T_{stg}	-55~150	℃

ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	V_{CB}=-100V, I_E=0	-	-	-10	μA
Emitter Cut-off Current	I_{EBO}	V_{EB}=-5V, I_C=0	-	-	-10	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	I_C=-50mA, I_B=0	-100	-	-	V
DC Current Gain	h_{FE} 1 (Note)	V_{CE}=-5V, I_C=-1.5A	55	-	160	
	h_{FE} 2	V_{CE}=-4V, I_C=-15A	15	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-15A, I_B=-1.5A	-	-	-1.8	V
	$V_{CE(sat)}$ 2	I_C=-25A, I_B=-5A	-	-	-4.0	
Base-Emitter Voltage	V_{BE}	V_{CE}=-5V, I_C=-5A	-	-	-1.5	V
Transition Frequency	f_T	V_{CE}=-5V, I_C=-1A	3.0	-	-	MHz

Note : h_{FE} Classification R:55~110 , O:80~160