

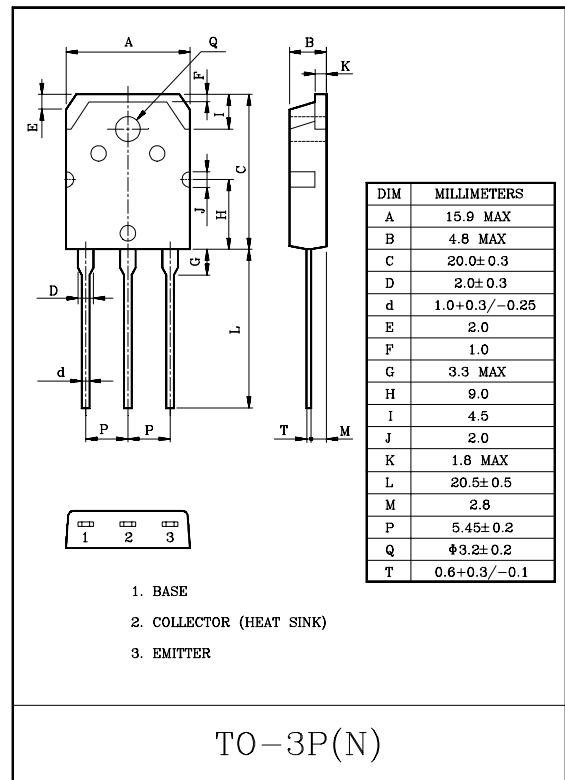
COLOR & B/W TV POWER SUPPLY
INDUSTRIAL USE POWER SUPPLY
(SERIES REGULATOR)
GENERAL PURPOSE POWER AMPLIFIER
DARLINGTON TRANSISTOR

FEATURES

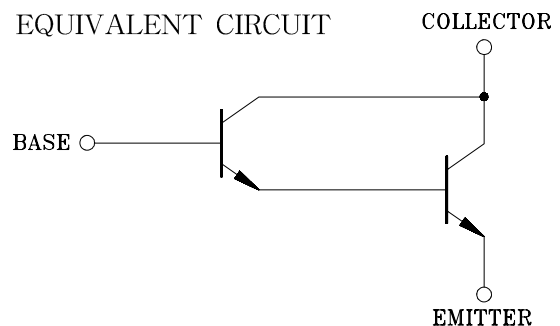
- Ultra High β .
- High h_{FE} : 700(Min.) ($I_C=1A$)
- Good Safe Operating Area.
- High reliability.

MAXIMUM RATINGS ($T_c=25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	200	V
Collector-Emitter Voltage	V_{CEO}	180	V
Emitter-Base Voltage	V_{EBO}	6	V
Collector Current	I_C	5	A
Base Current	I_B	0.5	A
Collector Power Dissipation	P_C	80	W
Storage Temperature Range	T_{stg}	-55 ~ 150	$^\circ C$



EQUIVALENT CIRCUIT



ELECTRICAL CHARACTERISTICS ($T_c=25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector-Base Voltage	V_{CBO}	$I_{CBO}=1mA$	200	-	-	V
Collector-Emitter Voltage	V_{CEO}	$I_{CEO}=10mA$	180	-	-	V
Emitter-Base Voltage	V_{EBO}	$I_{EBO}=1mA$	6	-	-	V
Collector Cut-off Current	I_{CBO}	$V_{CBO}=200V$	-	-	1.0	mA
Emitter Cut-off Current	I_{EBO}	$V_{EBO}=6V$	-	-	1.0	mA
DC Current Gain	h_{FE}	$V_{CE}=4V, I_C=1A$	700	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=1.5A, I_B=50mA$	-	-	1.5	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=1.5A, I_B=50mA$	-	-	2.0	V

