



DHA[®]

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TIP41C/TIP42C

Power Transistor

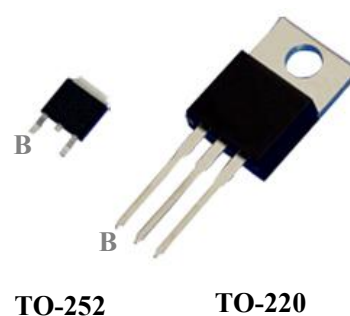
Application

Medium power linear switching applications

TIP41C (NPN)、TIP42C (PNP)

Absolute Maximum Ratings

Symbol	Ratings	Units
V_{CBO}	100	V
V_{CEO}	100	V
V_{EBO}	5	V
I_C	6	A
I_{CM}	10	A
P_c (TO-252/ with heat sink)	20 ($T_c=25^{\circ}C$)	W
P_c (TO-220/ with heat sink)	65 ($T_c=25^{\circ}C$)	W
T_j	150	$^{\circ}C$
T_{stg}	-65~150	$^{\circ}C$



Electrical Characteristics ($T_c=25^{\circ}C$)

Symbol	Test conditions	Min	Max	Unit
BV_{CBO}	$I_C=100\mu A$, $I_E=0$	100		V
BV_{CEO}	$I_C=10mA$, $I_B=0$	100		V
BV_{EBO}	$I_E=1mA$, $I_C=0$	5.0		V
I_{CBO}	$V_{CB}=100V$, $I_B=0$		1.0	μA
I_{CEO}	$V_{CE}=100V$, $I_B=0$		1.0	μA
I_{EBO}	$V_{BE}=5V$, $I_C=0$		1.0	μA
h_{FE}	$V_{CE}=4V$, $I_C=0.3A$ $V_{CE}=4V$, $I_C=3A$	30 15	75	
$V_{CE(sat)}$	$I_C=6A$, $I_B=600mA$		1.5	V
$V_{BE(on)}$	$V_{CE}=4V$, $I_C=6A$		2.0	V