


DHA[®]

QJ/DHA02.10-2001

D1073B

NPN Power Darlington Transistor

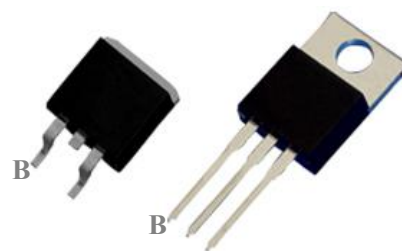
Applications

Relay & ignition coil drivers

Motor control

Features

Including zener & freewheeling diodes

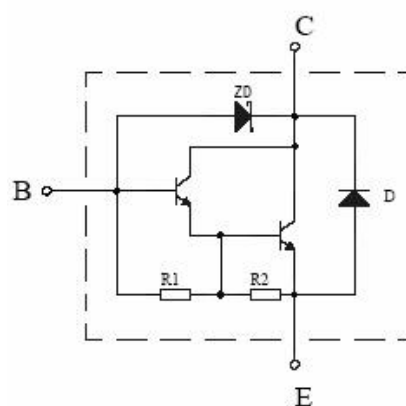


TO-263-2L

TO-220

Absolute Maximum Ratings

Symbol	Ratings	Units
V_{CBO}	300	V
V_{CEO}	300	V
V_{EBO}	15	V
I_C	4	A
I_B	0.3	A
P_C (With heat sink)	40 $T_c=25^{\circ}C$	W
T_j	+150	$^{\circ}C$
T_{stg}	-40~+150	$^{\circ}C$



Internal Equivalent Circuit

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

Symbol	Test conditions	Min	Max	Units
V_{CBO}	$I_{CBO} = 100\mu A$	300		V
V_{CEO}	$I_{CEO} = 10mA$	300		V
V_{EBO}	$I_{EBO} = 150mA$	15		V
I_{CBO}	$V_{CBO} = 300V$		100	μA
I_{EBO}	$V_{EBO} = 15V$		20	mA
h_{FE}	$I_C = 2A, V_{CE} = 2V$	500		
$V_{CE} (sat)$	$I_C = 1A, I_B = 10mA$		1.5	V
$V_{BE} (sat)$			2.0	V