



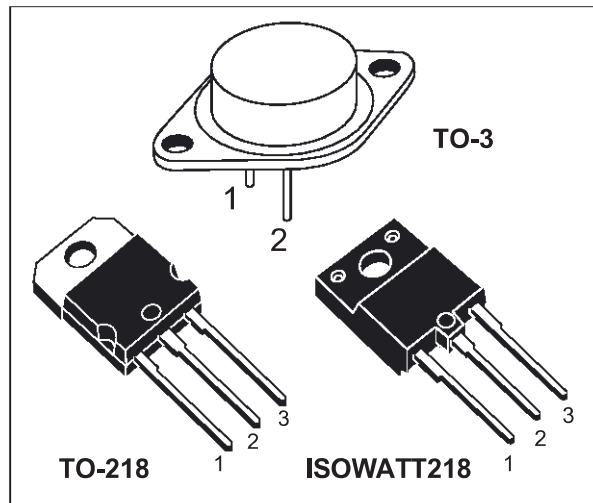
BU941Z/BU941ZP BU941ZPFI

HIGH VOLTAGE IGNITION COIL DRIVER NPN POWER DARLINGTON

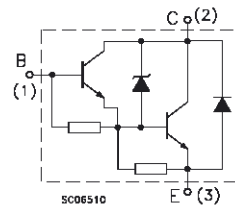
- VERY RUGGED BIPOLAR TECHNOLOGY
- BUILT IN CLAMPING ZENER
- HIGH OPERATING JUNCTION TEMPERATURE
- WIDE RANGE OF PACKAGES

APPLICATIONS

- HIGH RUGGEDNESS ELECTRONIC IGNITIONS



INTERNAL SCHEMATIC DIAGRAM



for TO-3
Emitter: pin 2
Base: pin 1
Collector: tab

ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Value			Unit
		BU941Z	BU941ZP	BUB941ZPFI	
V_{CEO}	Collector-Emitter Voltage ($I_B = 0$)	350			V
V_{EBO}	Emitter-Base Voltage ($I_C = 0$)	5			V
I_C	Collector Current	15			A
I_{CM}	Collector Peak Current	30			A
I_B	Base Current	1			A
I_{BM}	Base Peak Current	5			A
P_{tot}	Total Dissipation at $T_c = 25^\circ\text{C}$	180	155	65	W
T_{stg}	Storage Temperature	-65 to 200	-65 to 175	-65 to 175	$^\circ\text{C}$
T_j	Max. Operating Junction Temperature	200	175	175	$^\circ\text{C}$