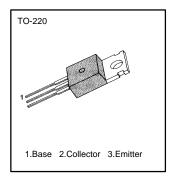
MEDIUM POWER LINEAR AND SWITCHING APPLICATIONS

• Complement to BD243, BD243A, BD243B and BD243C respectively

ABSOLUTE MAXIMUM RATINGS

Characteristic	Symbol	Rating	Unit
Collector-Emitter Voltage : BD244	V _{CBO}	- 45	V
: BD244A		- 60	V
: BD244B		- 80	V
: BD244C		- 100	V
Collector Emitter Voltage : BD244	V _{CEO}	- 45	V
: BD244A		- 60	V
: BD244B		- 80	V
: BD244C		- 100	V
Emitter Base Voltage	V _{EBO}	- 5	V
Collector Current (DC)	Ic	- 6	А
Collector Current (Pulse)	I _C	- 10	А
Base Current	Ι _Β	- 2	А
Collector Dissipation (T _c =25°C)	Pc	65	W
Junction Temperature	TJ	150	°C
Storage Temperature	T _{STG}	-65 ~ 150	°C



ELECTRICAL CHARACTERISTICS (Tc=25°C)

Characteristic	Symbol Test Conditions		Min	Тур	Max	Unit
* Collector Emitter Sustaining Voltage : BD244	V _{CEO} (sus)	$I_{\rm C} = -30 {\rm mA}, I_{\rm B} = 0$	- 45			V
: BD244A			- 60			V
: BD244B			- 80			V
: BD244C			- 100			V
Collector Cutoff Current : BD244/244A	I _{CEO}	$V_{CE} = -30V, I_{B} = 0$			- 0.7	mA
: BD244B/244C		$V_{CE} = -60V, I_B = 0$			- 0.7	mA
Collector Cutoff Current : BD244	ICES	$V_{CE} = -45V, V_{BE} = 0$			- 0.4	mA
: BD244A		$V_{CE} = -60V, V_{BE} = 0$			- 0.4	mA
: BD244B		$V_{CE} = -80V, V_{BE} = 0$			- 0.4	mA
: BD244C		$V_{CE} = -100V, V_{BE} = 0$			- 0.4	mA
Emitter Cutoff Current	I _{EBO}	$V_{EB} = -5V, I_{C} = 0$			- 1	mA
* DC Current Gain	h _{FE}	$V_{CE} = -4V, I_{C} = -0.3A$	30			
		$V_{CE} = -4V, I_{C} = -3A$	15			
* Collector Emitter Saturation Voltage	V _{CE} (sat)	I _C = - 6A, I _B = - 1A			- 1.5	V
* Base Emitter On Voltage	V _{BE} (on)	$V_{CE} = -4V, I_{C} = -6A$			- 2	V

* Pulse Test: PW=300µs, duty Cycle<2% Pulsed



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