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BD240/A/B/C

Medium Power Linear and Switching Applications

Complement to BD239/A/B/C respectively



1.Base 2.Collector 3.Emitter

PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{CEO}	Collector-Base Voltage		
	: BD240	- 45	V
	: BD240A	- 60	V
	: BD240B	- 80	V
	: BD240C	- 100	V
V _{CER}	Collector-Emitter Voltage		
	: BD240	- 55	V
	: BD240A	- 70	V
	: BD240B	- 90	V
	: BD240C	- 115	V
V _{EBO}	Emitter-Base Voltage	- 5	V
I _C	Collector Current (DC)	- 2	Α
I _{CP}	*Collector Current (Pulse)	- 4	Α
l _B	Base Current	- 0.6	Α
P _C	Collector Dissipation (T _C =25°C)	30	W
T _J	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 65 ~ 150	°C

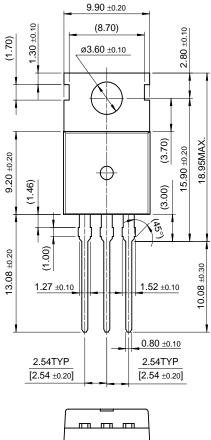
Electrical Characteristics $T_C=25$ °C unless otherwise noted

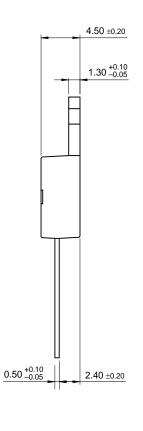
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
V _{CEO} (sus)	* Collector-Emitter Sustaining Voltage					
	: BD240	$I_C = -30 \text{mA}, I_B = 0$	- 45			V
	: BD240A		- 60			V
	: BD240B		- 80			V
	: BD240C		- 100			V
I _{CEO}	Collector Cut-off Current : BD240/A	$V_{CE} = -30V, I_{B} = 0$			- 0.3	mA
	: BD240B/C	$V_{CE} = -60V, I_{B} = 0$			- 0.3	mA
I _{CES}	Collector Cut-off Current : BD240	$V_{CE} = -45V, V_{BE} = 0$			- 0.2	mA
	: BD240A	$V_{CE} = -60V, V_{BE} = 0$			- 0.2	mA
	: BD240B	$V_{CE} = -80V, V_{BE} = 0$			- 0.2	mA
	: BD240C	$V_{CE} = -100V, V_{BE} = 0$			- 0.2	mA
I _{EBO}	Emitter Cut-off Current	$V_{EB} = -5V, I_{C} = 0$			- 1	mA
h _{FE}	* DC Current Gain	$V_{CE} = -4V, I_{C} = -0.2A$	40			
		$V_{CE} = -4V, I_{C} = -1A$	15			
V _{CE} (sat)	* Collector-Emitter Saturation Voltage	I _C = -1A , I _B = -0.2A			- 0.7	V
V _{RF} (on)	* Base-Emitter ON Voltage	$V_{CF} = -4V, I_{C} = -1A$			- 1.3	V

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Package Demensions

TO-220





10.00 ±0.20

Dimensions in Millimeters

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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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