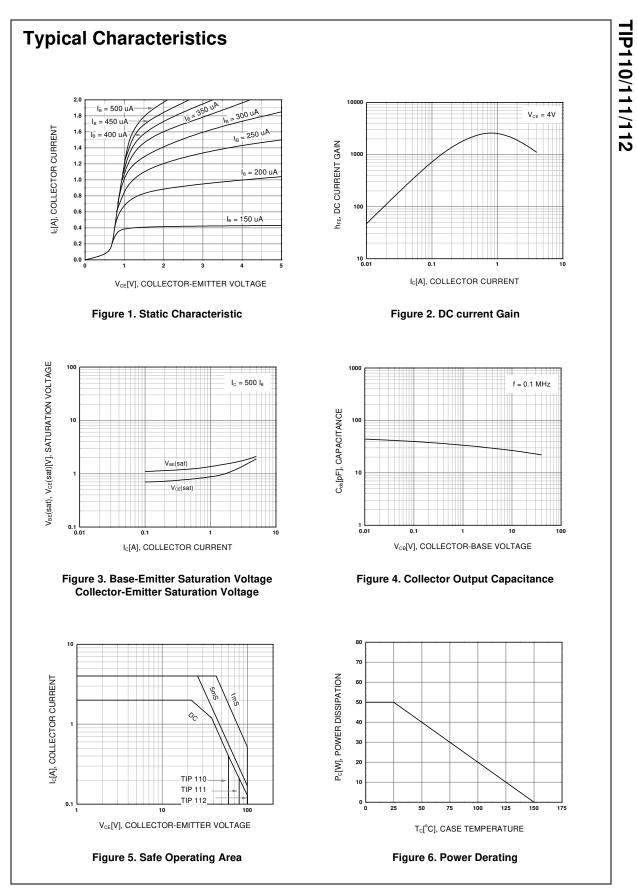


Electrical Characteristics T_C=25°C unless otherwise noted

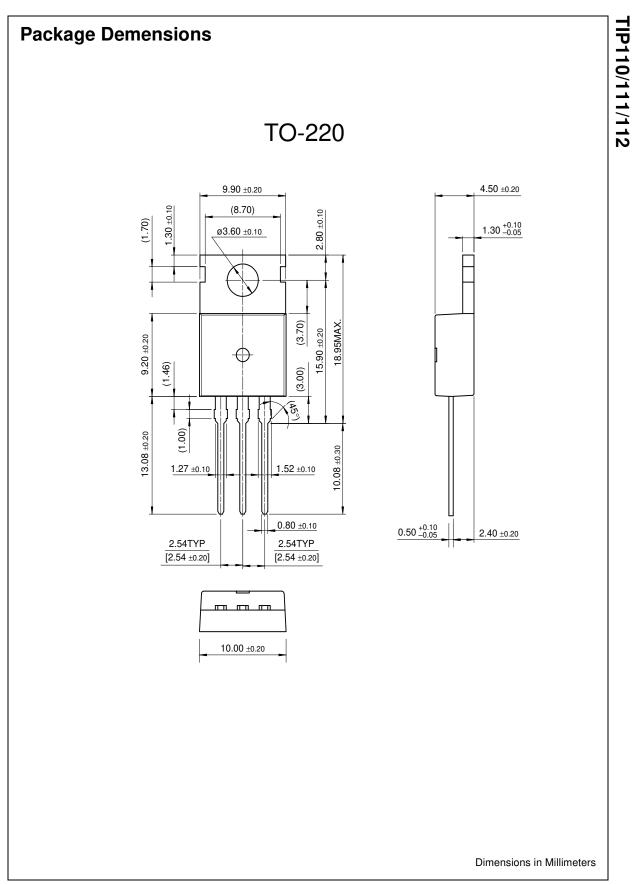
Symbol	Parameter	Test Condition	Min.	Max.	Units
V _{CEO} (sus)	Collector-Emitter Sustaining Voltage				
	: TIP110	$I_{\rm C} = 30 {\rm mA}, I_{\rm B} = 0$	60		V
	: TIP111	-	80		V
	: TIP112		100		V
I _{CEO}	Collector Cut-off Current				
	: TIP110	$V_{CE} = 30V, I_{B} = 0$		2	mA
	: TIP111	$V_{CE} = 40V, I_B = 0$		2	mA
	: TIP112	$V_{CE} = 50V, I_{B} = 0$		2	mA
I _{CBO}	Collector Cut-off Current				
	: TIP110	$V_{CB} = 60V, I_E = 0$		1	mA
	: TIP111	$V_{CB} = 80V, I_E = 0$		1	mA
	: TIP112	$V_{CB} = 100V, I_E = 0$		1	mA
I _{EBO}	Emitter Cut-off Current	$V_{BE} = 5V, I_{C} = 0$		2	mA
h _{FE}	DC Current Gain	$V_{CE} = 4V, I_{C} = 1A$	1000		
		$V_{CE} = 4V, I_{C} = 2A$	500		
V _{CE} (sat)	Collector-Emitter Saturation Voltage	$I_{\rm C} = 2A, I_{\rm B} = 8mA$		2.5	V
V _{BE} (on)	Base-Emitter ON Voltage	$V_{CE} = 4V, I_C = 2A$		2.8	V
C _{ob}	Output Capacitance	$V_{CB} = 10V, I_{F} = 0, f = 0.1MHz$		100	pF

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