RT1P44BX SERIES

Transistor

Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type

DESCRIPTION

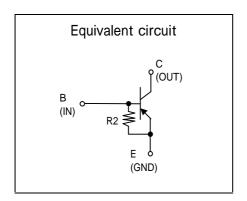
RT1P44BX is a one chip transistor with built-in bias resistor,NPN type is RT1N44BX.

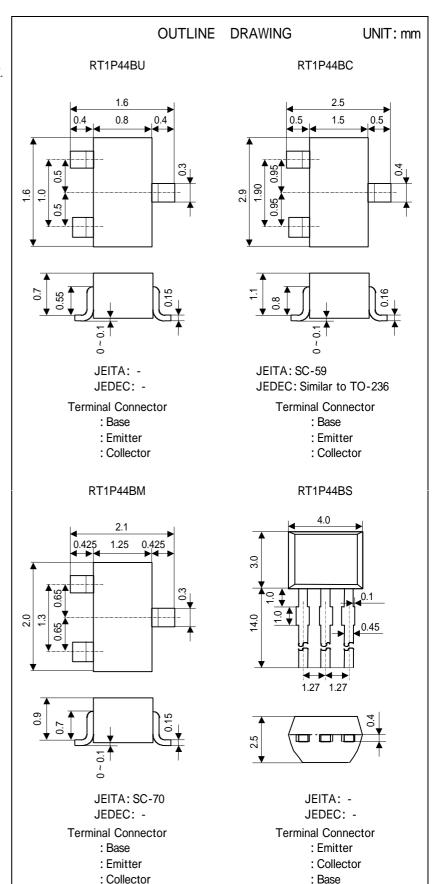
FEATURE

•Built-in bias resistor (R2=47k).

APPLICATION

Inverted circuit, switching circuit, interface circuit, driver circuit.





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MAXIMUM RATING (Ta=25)

SYMBOL	PARAMETER	RATING				UNIT
		RT1P44BU	RT1P44BM	RT1P44BC	RT1P44BS	UNIT
V_{CBO}	Collector to Base voltage	-50				
V _{EBO}	Emitter to Base voltage	-6				
V _{CEO}	Collector to Emitter voltage	-50				
Ic	Collector current	-100				
I _{CM}	Peak Collector current	-200				
P_{C}	Collector dissipation(Ta=25)	150	20	00	450	mW
Tj	Junction temperature	+150	+150			
Tstg	Storage temperature	-55 ~ +150	-55 ~ + 150			

ELECTRICAL CHARACTERISTICS (Ta=25)

SYMBOL	PARAMETER	TEST CONDITION	LIMIT			UNIT
		TEST CONDITION	MIN	TYP	MAX	UNIT
$V_{(BR)CEO}$	C to E break down voltage	$I_{C}=-100 \mu A$, $R_{BE}=$	-50			V
I _{CBO}	Collector cut off current	V_{CB} =-50V , I $_{E}$ =0			-0.1	μΑ
h _{FE}	DC forward current gain	V_{CE} =-5V , I $_{C}$ =-5mA	68			-
$V_{CE(sat)}$	C to E saturation voltage	$I_{C} = -10 \text{mA}$, $I_{B} = -0.5 \text{mA}$			-0.3	V
R_2	Emitter-base resistance		33	47	61	k
f_T	Gain band width product	V_{CE} =-6V , I $_{E}$ =10mA		150		MHz



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