RT1P15BX SERIES

Transistor

Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type

DESCRIPTION

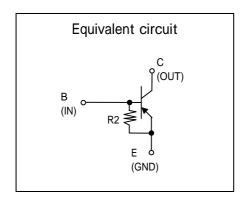
RT1P15BX is a one chip transistor with built-in bias resistor,NPN type is RT1N15BX.

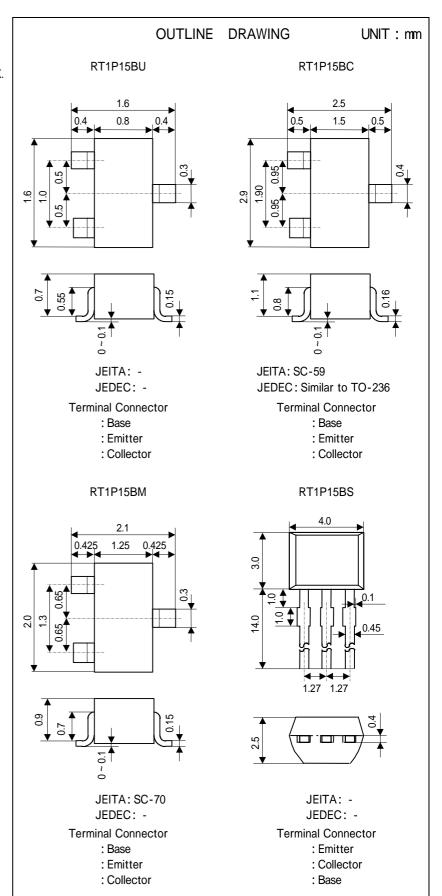
FEATURE

·Built-in bias resistor (R2=100k).

APPLICATION

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





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MAXIMUM RATING (Ta=25)

SYMBOL	PARAMETER	RATING				UNIT
		RT1P15BU	RT1P15BM	RT1P15BC	RT1P15BS	UNIT
V _{CBO}	Collector to Base voltage	-50				
V _{EBO}	Emitter to Base voltage	-6				
V _{CEO}	Collector to Emitter voltage	-50				
Ι _c	Collector current	-100				
I _{CM}	Peak Collector current	-200				
P _c	Collector dissipation(Ta=25)	150	2	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	$I_{C}=-100 \muA$, $R_{BE}=$	-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	82			-
$V_{CE(sat)}$	C to E saturation voltage	$I_C = -10 \text{mA}$, $I_B = -0.5 \text{mA}$			-0.3	V
R_2	Emitter-base resistance			100		k
f_{\scriptscriptstyleT}	Gain band width product	V_{CE} =-6V , I $_{E}$ =10mA		150		MHz



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