RT1P250X SERIES

Transistor

Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type

DESCRIPTION

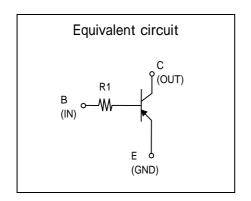
RT1P250X is a one chip transistor with built-in bias resistor,NPN type is RT1N250X.

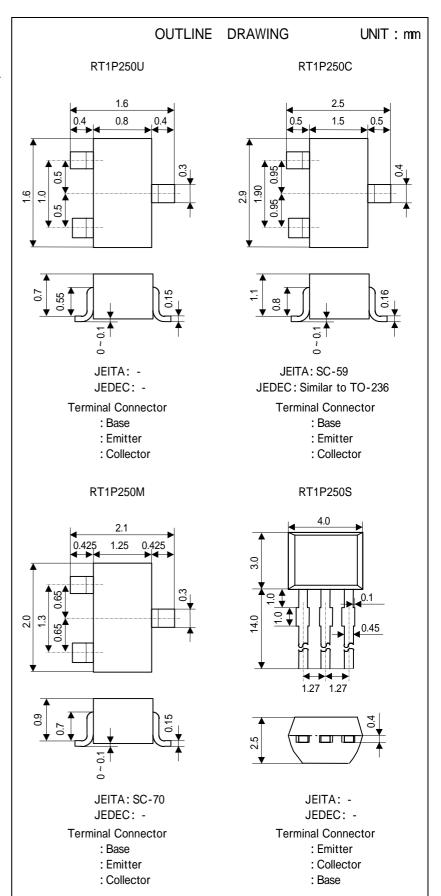
FEATURE

•Built-in bias resistor (R1=200k).

APPLICATION

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





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MAXIMUM RATING (Ta=25)

SYMBOL	PARAMETER	RATING				LINUT
		RT1P250U	RT1P250M	RT1P250C	RT1P250S	UNIT
V_{CBO}	Collector to Base voltage		V			
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	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	$I_{C}=-100 \muA$, $R_{BE}=$	-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 $_{C}$ =-1mA	100			-
$V_{CE(sat)}$	C to E saturation voltage	$I_C = -0.5$ mA, $I_B = -0.05$ mA			-0.3	V
R ₁	Input resistance			200		k
f_{\scriptscriptstyleT}	Gain band width product	V_{CE} =-6V , I _E =10mA		150		MHz



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