RT1P130X SERIES

Transistor Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type

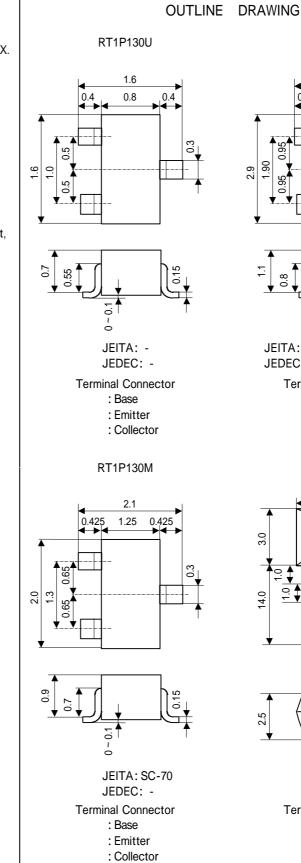
UNIT: mm

DESCRIPTION

RT1P130X is a one chip transistor with built-in bias resistor,NPN type is RT1N130X.

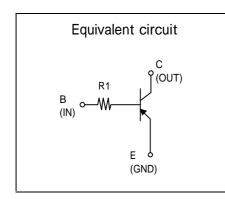
FEATURE

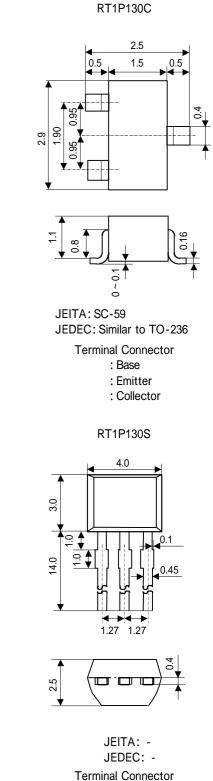
•Built-in bias resistor (R1=1k).



APPLICATION

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





: Emitter : Collector



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MAXIMUM RATING (Ta=25)

SYMBOL	PARAMETER	RATING				UNIT
		RT1P130U	RT1P130M	RT1P130C	RT1P130S	UNIT
V _{CBO}	Collector to Base voltage	-50				
V _{EBO}	Emitter to Base voltage	-6				
V _{CEO}	Collector to Emitter voltage	-50				
I _c	Collector current	-100				
I _{CM}	Peak Collector current	-200				
Pc	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	Ι _c =-100 μ A , R _{BE} =	-50			V
I _{CBO}	Collector cut off current	V _{CB} =-50V , I _E =0			-0.1	μA
h _{FE}	DC forward current gain	V _{CE} =-5V , I _C =-1mA	100			-
V _{CE(sat)}	C to E saturation voltage	I _c =-10mA , I _B =-0.5mA			-0.3	V
R ₁	Input resistance		0.7	1.0	1.3	k
f _⊤	Gain band width product	V_{CE} =-6V , I _E =10mA		150		MHz

ISAHAYA ELECTRONICS CORPORATION



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