RT1P430X SERIES

Transistor Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type

RT1P430C

2.5

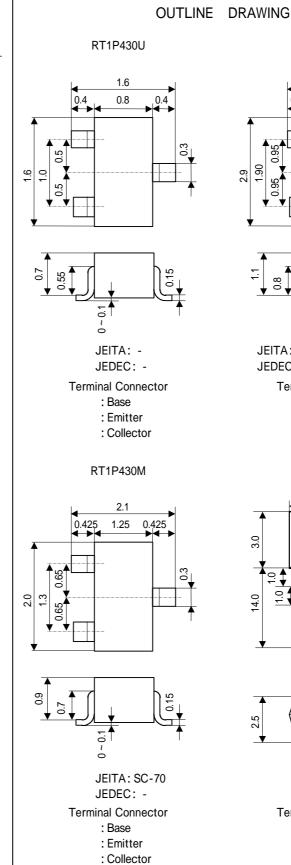
UNIT: mm

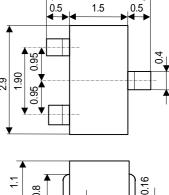
DESCRIPTION

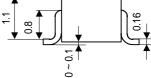
RT1P430X is a one chip transistor with built-in bias resistor,NPN type is RT1N430X.

FEATURE

•Built-in bias resistor (R1=4.7k).





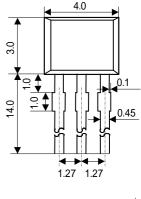


JEITA: SC-59 JEDEC: Similar to TO-236

Terminal Connector

- : Base
- : Emitter
- : Collector

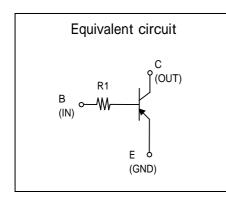
RT1P430S



JEITA: -JEDEC: -Terminal Connector : Emitter : Collector : Base

APPLICATION

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



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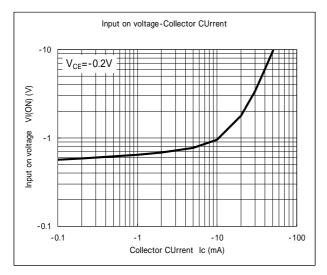
RT1P430X SERIES

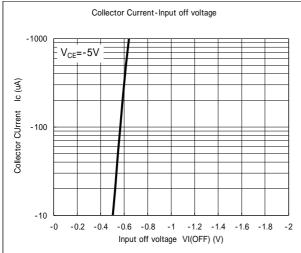
MAXIMUM RATING (Ta=25)

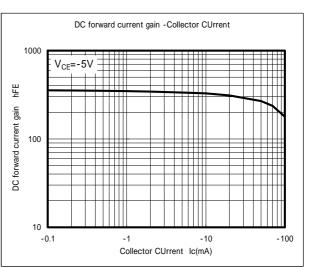
SYMBOL	PARAMETER	RATING				UNIT
		RT1P430U	RT1P430M	RT1P430C	RT1P430S	
V _{CBO}	Collector to Base voltage	-50				V
V _{EBO}	Emitter to Base voltage	-6				
V _{CEO}	Collector to Emitter voltage	-50				V
I _c	Collector current	-100				
I _{CM}	Peak Collector current	-200				mA
P _c	Collector dissipation(Ta=25)	150	20	0	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		3.3	4.7	6.1	k
f _T	Gain band width product	V_{CE} =-6V, I _E =10mA		150		MHz









Marketing division, Marketing planning department

6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

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