## RT1P430X SERIES

Transistor Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type

RT1P430C

2.5

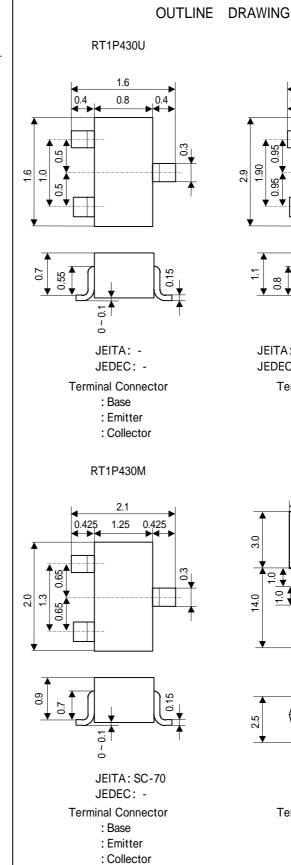
UNIT: mm

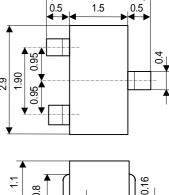
## DESCRIPTION

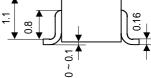
RT1P430X is a one chip transistor with built-in bias resistor,NPN type is RT1N430X.

#### FEATURE

•Built-in bias resistor (R1=4.7k ).





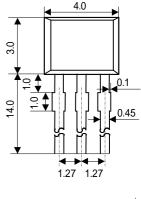


JEITA: SC-59 JEDEC: Similar to TO-236

Terminal Connector

- : Base
- : Emitter
- : Collector

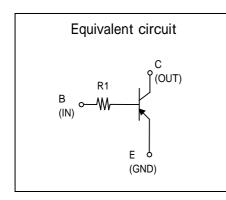
RT1P430S



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

APPLICATION

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



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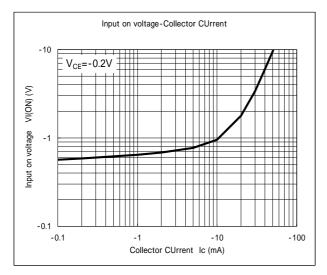
# RT1P430X SERIES

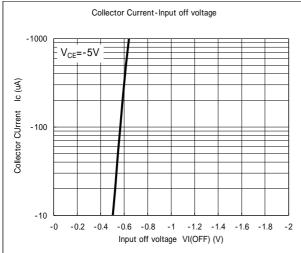
### MAXIMUM RATING (Ta=25 )

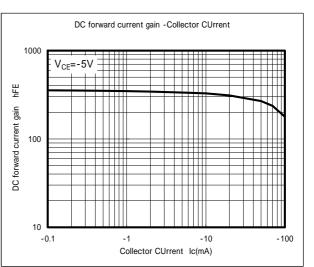
SYMBOL	PARAMETER	RATING				UNIT
		RT1P430U	RT1P430M	RT1P430C	RT1P430S	
V <sub>CBO</sub>	Collector to Base voltage	-50				V
V <sub>EBO</sub>	Emitter to Base voltage	-6				
V <sub>CEO</sub>	Collector to Emitter voltage	-50				V
I <sub>c</sub>	Collector current	-100				
I <sub>CM</sub>	Peak Collector current	-200				mA
P <sub>c</sub>	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 <sub>(BR)CEO</sub>	C to E break down voltage	Ι <sub>c</sub> =-100 μ A , R <sub>BE</sub> =	-50			V
I <sub>CBO</sub>	Collector cut off current	V <sub>CB</sub> =-50V , I <sub>E</sub> =0			-0.1	μA
h <sub>FE</sub>	DC forward current gain	V <sub>CE</sub> =-5V , I <sub>C</sub> =-1mA	100			-
V <sub>CE(sat)</sub>	C to E saturation voltage	I <sub>c</sub> =-10mA , I <sub>B</sub> =-0.5mA			-0.3	V
R <sub>1</sub>	Input resistance		3.3	4.7	6.1	k
f <sub>T</sub>	Gain band width product	$V_{CE}$ =-6V, I <sub>E</sub> =10mA		150		MHz









Marketing division, Marketing planning department

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

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