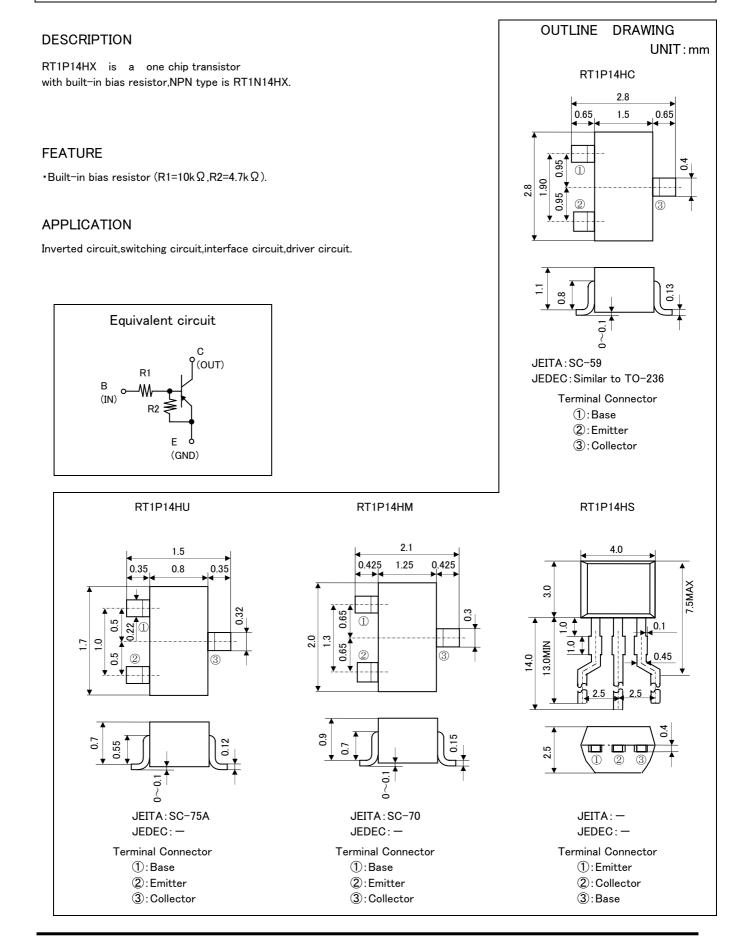
RT1P14HX SERIES

(Transistor)

Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type



ISAHAYA ELECTRONICS CORPORATION

RT1P14HX SERIES

(Transistor)

Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type

MARKING

RT1P14HC RT1P14HM RT1P14HU	RT1P14HS
PJ type name	type name Lot No.

MAXIMUM RATING (Ta=25°C)

SYMBOL	PARAMETER	RATING				
		RT1P14HU	RT1P14HM	RT1P14HC	RT1P14HS	UNIT
V _{CBO}	Collector to Base voltage	-50				V
V _{EBO}	Emitter to Base voltage	-10				V
V _{CEO}	Collector to Emitter voltage	-50				V
V _{IN}	Input voltage	-30				V
I _c	Collector current	-100				mA
I _{CM}	Peak Collector current	-200				mA
Pc	Collector dissipation(Ta=25°C)	150	20	0	450	mW
Tj	Junction temperature	+150			°C	
Tstg	Storage temperature	-55~+150				C°

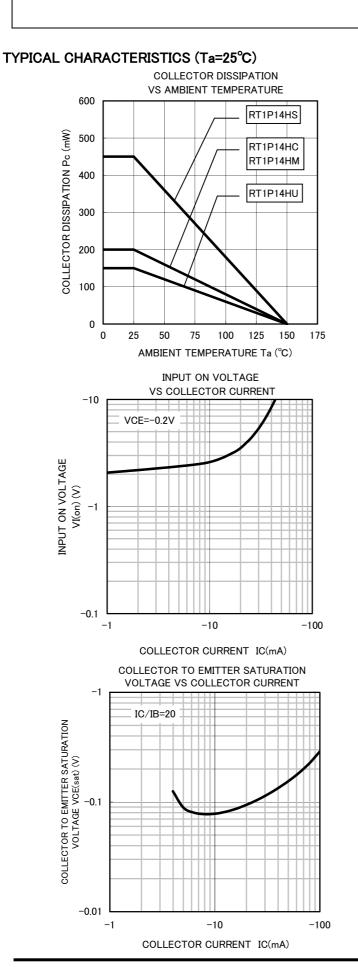
ELECTRICAL CHARACTERISTICS (Ta=25°C)

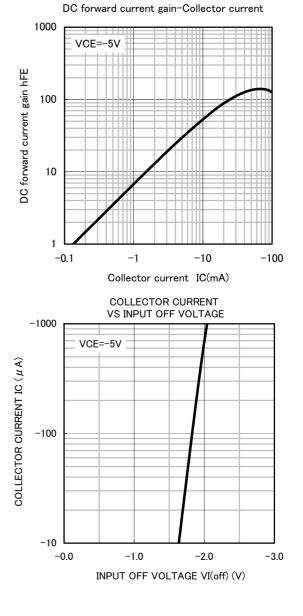
SYMBOL PARAMETER	TEST CONDITION	LIMIT			UNIT	
	TEST CONDITION		TYP	MAX	UNIT	
$V_{(BR)CEO}$	C to E break down voltage	$I_{c}=-100 \mu A, R_{BE}=\infty$	-50		_	V
I _{CBO}	Collector cut off current	V _{CB} =-50V, I _E =0	—	1	-0.1	μA
I _{EBO}	Emitter cut off current	V_{EB} =-5V, I _c =0	-255	-340	-493	μA
h _{FE}	DC forward current gain	V_{ce} =-5V, I _c =-10mA	24		—	—
$V_{CE(sat)}$	C to E saturation voltage	I _c =–10mA, I _B =–0.5mA	—	-	-0.3	V
V _{I(ON)}	Input on voltage	V _{CE} =-0.2V, I _c =-5mA	—	-2.1	-3.8	V
$V_{I(OFF)}$	Input off voltage	V_{CE} =-5V, I _C =-100 μ A	-1.3	-1.7	—	V
R ₁	Input resistor	_	7	10	13	kΩ
R_2 / R_1	Resistor ratio	—	0.37	0.47	0.57	—
f⊤	Gain band width product	V _{CE} =-6V, I _E =10mA	—	150	—	MHz

RT1P14HX SERIES

Transistor With Resistor For Switching Application

Silicon PNP Epitaxial Type





ISAHAYA ELECTRONICS CORPORATION

(Transistor)

ISAHAYA ELECTRONICS CORPORATION

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