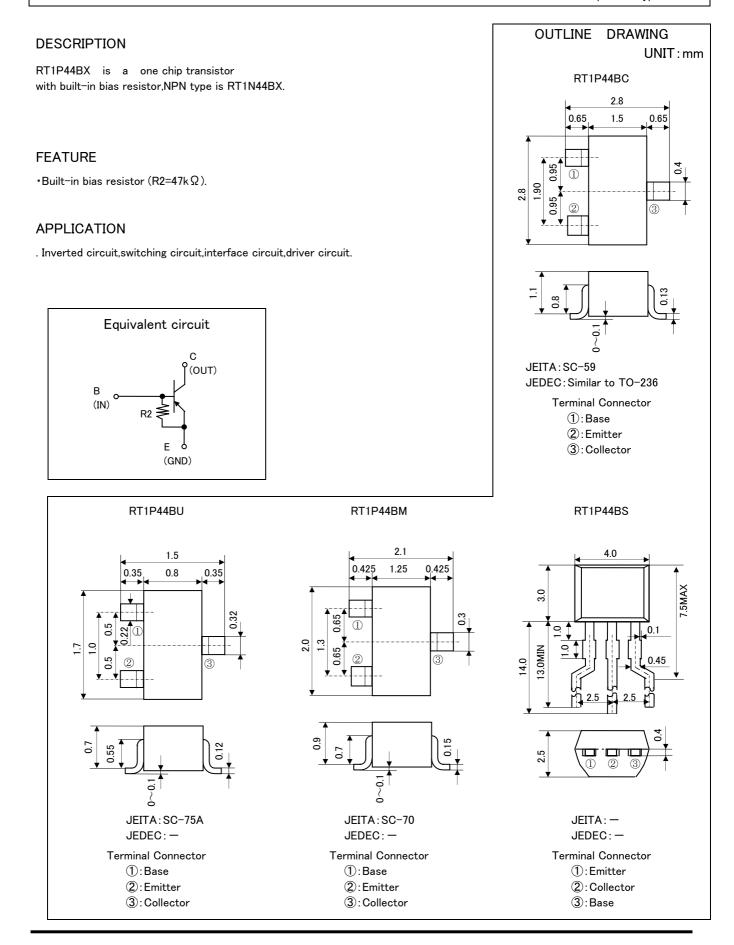
RT1P44BX SERIES

(Transistor)

Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type



ISAHAYA ELECTRONICS CORPORATION

RT1P44BX SERIES

〈Transistor〉 Transistor With Resistor

For Switching Application Silicon PNP Epitaxial Type

MARKING

RT1P44BC RT1P44BM RT1P44BU	RT1P44BS
P W type name	type name Lot No.

MAXIMUM RATING (Ta=25°C)

SYMBOL	PARAMETER	RATING				
		RT1P44BU	RT1P44BM	RT1P44BC	RT1P44BS	UNIT
V _{CBO}	Collector to Base voltage	-50				V
V _{EBO}	Emitter to Base voltage	-6				V
V _{CEO}	Collector to Emitter voltage	-50				V
Ι _c	Collector current	-100				mA
I _{CM}	Peak Collector current	-200			mA	
Pc	Collector dissipation(Ta=25°C)	150	20	00	450	mW
Tj	Junction temperature	+150				°C
Tstg	Storage temperature	-55~+150				°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

SYMBOL PARAMETER		LIMIT			UNIT	
	PARAMETER	TEST CONDITION		TYP	MAX	UNIT
$V_{(BR)CEO}$	C to E break down voltage	$I_{c} = -100 \mu A, R_{BE} = \infty$	-50	—	1	V
I _{CBO}	Collector cut off current	V _{CB} =-50V, I _E =0	—	—	-0.1	μA
I _{EBO}	Emitter cut off current	V_{EB} =-5V, I _c =0	-80	-106	-154	μA
h _{FE}	DC forward current gain	V _{CE} =-5V, I _C =-5mA	68	—	-	—
V _{CE(sat)}	C to E saturation voltage	I _c =–10mA, I _B =–0.5mA	—	—	-0.3	V
R ₂	Emitter-base resistor	_	33	47	61	kΩ
f _T	Gain band width product	V _{CE} =-6V, I _E =10mA	—	150	_	MHz

RT1P44BX SERIES

Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type

DC FORWARD CURRENT GAIN

VS COLLECTOR CURRENT

-10

COLLECTOR CURRENT IC(mA) COLLECTOR CURRENT

VS INPUT OFF VOLTAGE

-1

-0.5

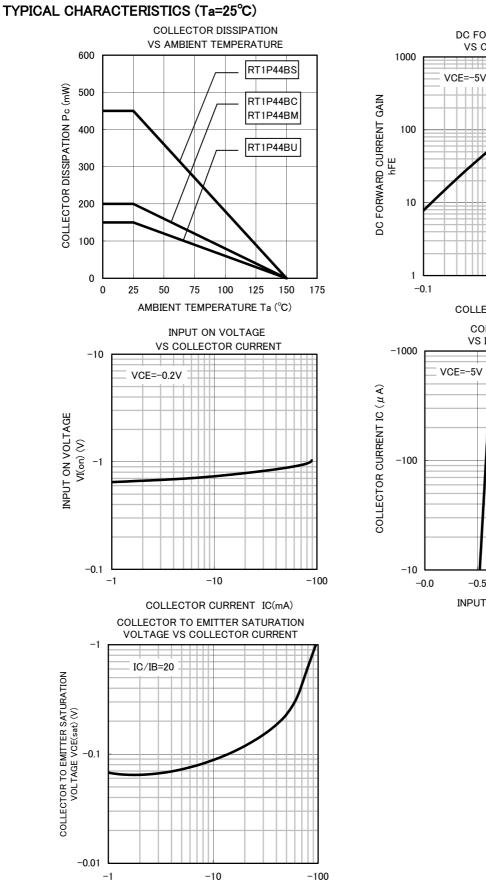
-1.0

INPUT OFF VOLTAGE VI(off) (V)

-1.5

-2.0

-100



COLLECTOR CURRENT IC(mA)

ISAHAYA ELECTRONICS CORPORATION

(Transistor)

ISAHAYA ELECTRONICS CORPORATION

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