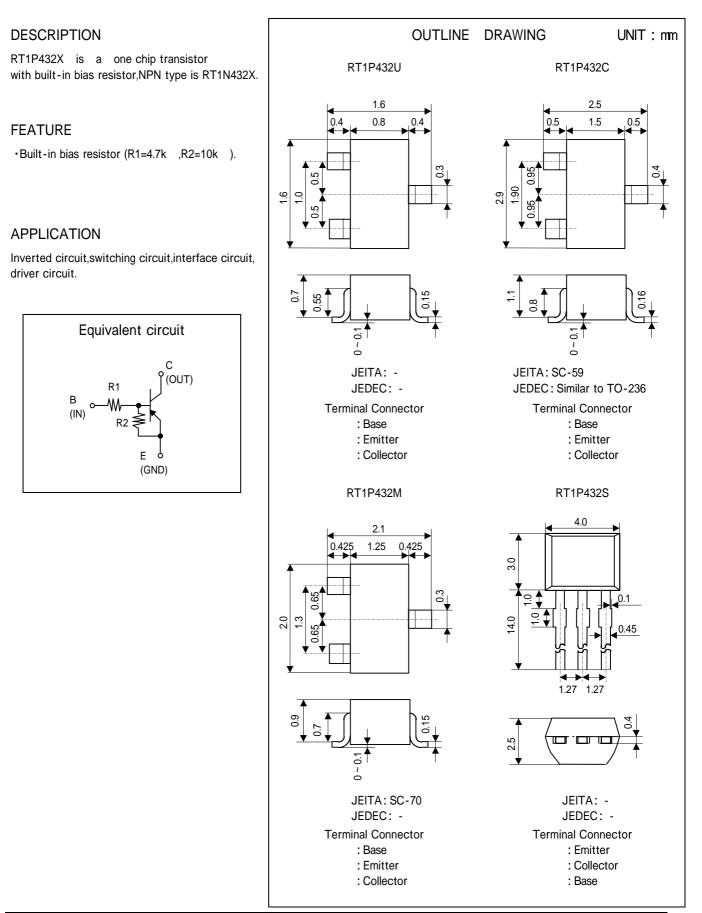
RT1P432X SERIES

Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type



ISAHAYA ELECTRONICS CORPORATION

Transistor

RT1P432X SERIES

Transistor Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type

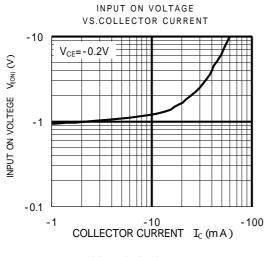
MAXIMUM RATING (Ta=25)

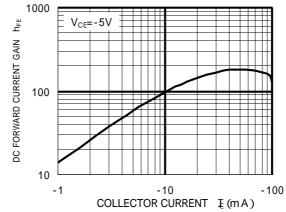
SYMBOL	PARAMETER	RATING				UNIT
		RT1P432U	RT1P432M	RT1P432C	RT1P432S	
V _{CBO}	Collector to Base voltage	-50				
V _{EBO}	Emitter to Base voltage	-7				
V _{CEO}	Collector to Emitter voltage	-50				
Ι _c	Collector current	-100				
I _{CM}	Peak Collector current	-200				
P _c	Collector dissipation(Ta=25)	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 =-10mA	30			-
$V_{CE(sat)}$	C to E saturation voltage	I _c =-10mA , I _B =-0.5mA		-0.1	-0.3	V
V _{I(ON)}	Input on voltage	V _{CE} =-0.2V , I _C =-5mA		-1.0	-1.8	V
V _{I(OFF)}	Input off voltage	V _{CE} =-5V , I _C =-100 μ A	-0.5	-0.8		V
R ₁	Input resistance		3.3	4.7	6.1	k
R_2 / R_1	Resistance ratio		1.7	2.1	2.6	
f _⊤	Gain band width product	V _{CE} =-6V , I _E =10mA		150		MHz

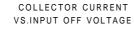
TYPICAL CHARACTERISTICS

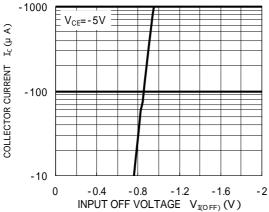




DC FORWARD CURRENT GAIN

VS.COLLECTOR CURRENT





ISAHAYA ELECTRONICS CORPORATION



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