〈Transistor〉

2SC5398

For Low Frequency Amplify Application Silicon NPN Epitaxial Type Micro(Frame type)

DESCRIPTION

2SC5398 is a silicon NPN epitaxial type

transistor. It is designed for low frequency voltage

amplify application.

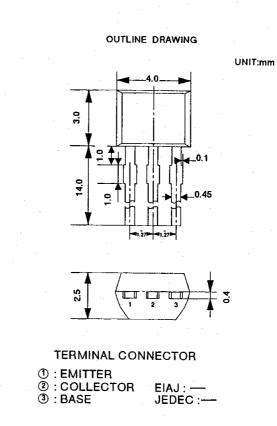
FEATURE

- Small collector to emitter saturation voltage. VcE(sat)=0.3V max (@ I c=30mA,I B=1.5mA)
- · Excellent linearity of DC forward current gain
- · Small package for easy mounting

APPLICATION

For small machine low frequency voltage amplify

application.



MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	RATINGS	UNIT
Vсво	Collector to Base voltage	50	V
Vebo	Emitter to Base voltage	6	ÎV.
VCEO	VCEO Collector to Emitter voltage		V
Ic	Collector current	100	mA
Pc	Collector dissipation (Ta=25℃)	450	mW
Tj	Junction temperature	+125	°C
Tstg	Storage temperature	-55to+125	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

SYMBOL	PARAMETER	TESTCONDITION	LIMIT			
			MIN	TYP	MAX	
V(BR)CEO	C to E break down voltage	I c=100 μ A, RBE=∞	50	1		V
Ісво	Collector cut off current	Vcb=50V, I E=0		1	0.5	μA
I EBO	Emitter cut off current	VEB=4V, I C≊0	-		0.5	μΑ
hFE *	DC forward current gain	Vce=6V, I c=1mA	120		820	
hFE	DC forward current gain	Vce=6V, I c=0.1mA	70			
VCE(sat)	C to E saturation voltage	I с=30mA, I в=1.5mA			0.3	
fr	Gain band width product	Vce=6V, I e=-10mA		200		MHz
Сор	Collector output capacitance	VcB=6V, I E=0, f=1MHz		2.0		pF

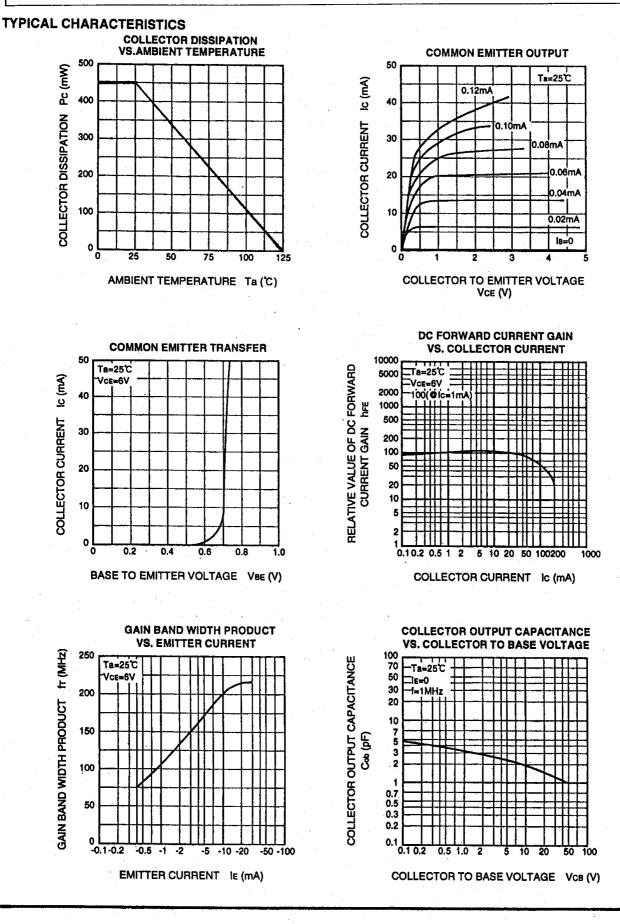
ITEM	Q	R	S	T
hFE	120~270	180~390	270~560	390~820

ISAHAYA ELECTRONICS CORPORATION

(Transistor)

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