(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
Vево	Emitter to Base voltage 6		V
VCEO	Collector to Emitter voltage	50	V
Ic	Collector current	100	mA
Pc	Collector dissipation (Ta=25℃)	450	mW
Tj	Junction temperature	+125	°C
Tstg	Storage temperature	-55to+125	°C

TERMINAL CONNECTOR ①: EMITTER ②: COLLECTOR EIAJ:— ③: BASE JEDEC:—

ELECTRICAL CHARACTERISTICS (Ta=25°C)

SYMBOL	PARAMETER	TESTCONDITION	LIMIT			
			MIN	TYP	MAX	UNIT
V(BR)CEO	C to E break down voltage	I c=100 μA, RBE=∞	50	1		V
Ісво	Collector cut off current	VcB=50V, I E=0			0.5	μΑ
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	1 -
hFE	DC forward current gain	VcE=6V, I c=0.1mA	70			
VCE(sat)	C to E saturation voltage	I c=30mA, I в=1.5mA			0.3	l v
fτ	Gain band width product	VcE=6V, I E=-10mA		200		MHz
Cob	Collector output capacitance	VcB=6V, I E=0, f=1MHz		2.0		pF

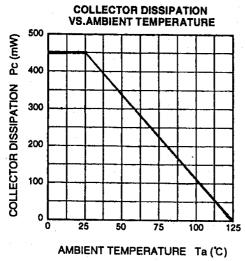
ITEM	Q	R	S	Т
hFE	120~270	180~390	270~560	390~820

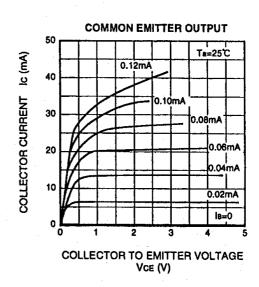
(Transistor)

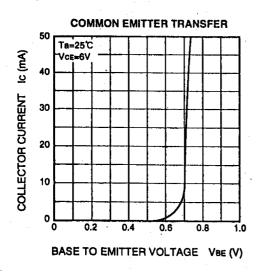
2SC5398

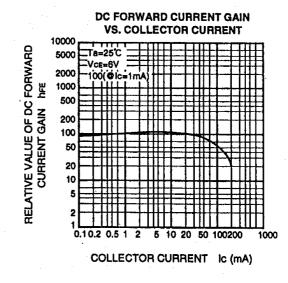
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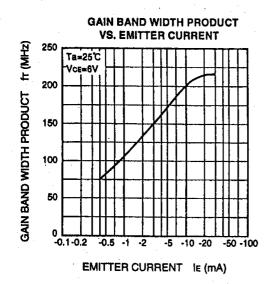
TYPICAL CHARACTERISTICS

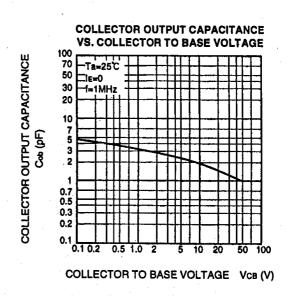














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