

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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2SA1790G

Silicon PNP epitaxial planar type

For high-frequency amplification Complementary to 2SC4626G

■ Features

- Optimum for RF amplification of FM/AM radios
- High transition frequency f_T
- SS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing

■ Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit	
Collector-base voltage (Emitter open)	V_{CBO}	-30	V	
Collector-emitter voltage (Base open)	V _{CEO}	-20	V	
Emitter-base voltage (Collector open)	V_{EBO}	-5	V	
Collector current	I_{C}	-30	mA	
Collector power dissipation	P_{C}	125	mW	
Junction temperature	T _j	125	°C	
Storage temperature	T _{stg}	-55 to +125	°C	

Package

- Code SSMini3-F3
- Marking Symbol: E
- Pin Name
 - 1. Base
 - 2. Emitter
 - 3. Collector

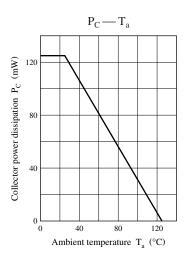
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

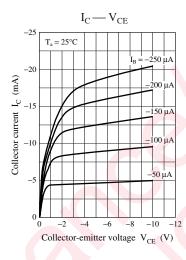
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Base-emitter voltage	V _{BE}	$V_{CE} = -10 \text{ V}, I_{C} = -1 \text{ mA}$	100	- 0.7		V
Collector-base cutoff current (Emitter open)	I_{CBO}	$V_{CB} = -10 \text{ V}, I_E = 0$			- 0.1	μΑ
Collector-emitter cutoff current (Base open)	I_{CEO}	$V_{CE} = -20 \text{ V}, I_B = 0$	7.9		-100	μΑ
Emitter-base cutoff current (Collector open)	I_{EBO}	$V_{EB} = -5 \text{ V}, I_C = 0$			-10	μΑ
Forward current transfer ratio *	h_{FE}	$V_{CE} = -10 \text{ V}, I_{C} = -1 \text{ mA}$	70		220	_
Collector-emitter saturation voltage	V _{CE(sat)}	$I_C = -10 \text{ mA}, I_B = -1 \text{ mA}$		- 0.1		V
Transition frequency	f_T	$V_{CB} = -10 \text{ V}, I_E = 1 \text{ mA}, f = 200 \text{ MHz}$	150	300		MHz
Noise figure	NF	$V_{CB} = -10 \text{ V}, I_E = 1 \text{ mA}, f = 5 \text{ MHz}$		2.8	4.0	dB
Reverse transfer impedance	Z_{rb}	$V_{CB} = -10 \text{ V}, I_E = 1 \text{ mA}, f = 2 \text{ MHz}$		22	50	Ω
Reverse transfer capacitance (Common emitter)	C _{re}	$V_{CB} = -10 \text{ V}, I_E = 1 \text{ mA}, f = 10.7 \text{ MHz}$		1.2	2.0	pF

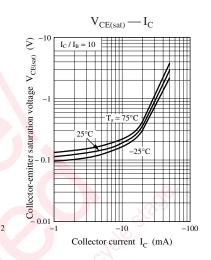
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

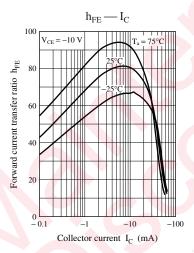
2. *: Rank classification

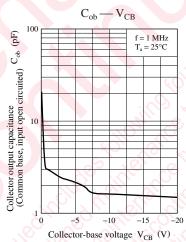
Rank	В	С
h_{FE}	70 to 140	110 to 220



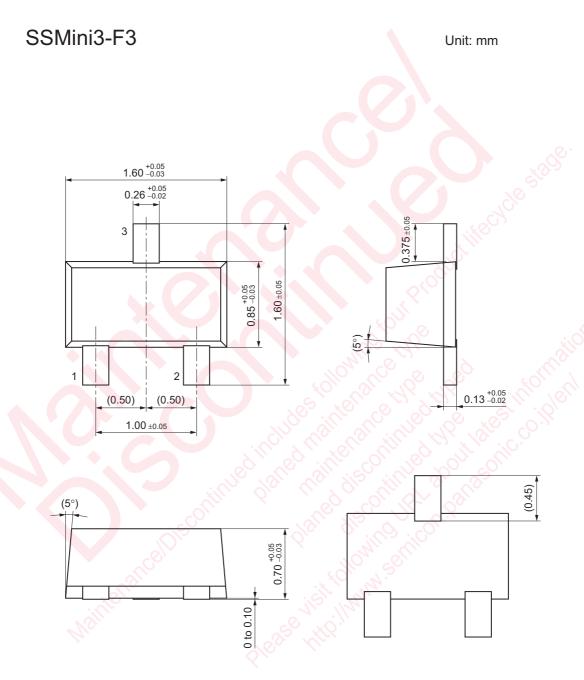








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