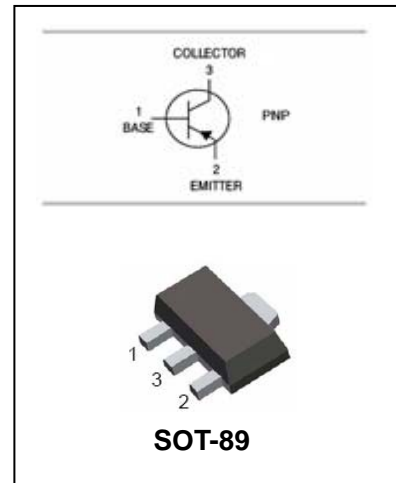


## Silicon Planar Epitaxial Transistor

2SA1662

### FEATURES

- Complementary to 2SC2884



### ORDERING INFORMATION

Type No.	Marking	Package Code
2SA1662	FO/FY	SOT-89

### MAXIMUM RATING @ Ta=25°C unless otherwise specified

Symbol	Parameter	Value	Units
$V_{CBO}$	Collector-Base Voltage	-80	V
$V_{CEO}$	Collector-Emitter Voltage	-80	V
$V_{EBO}$	Emitter-Base Voltage	-5	V
$I_C$	Collector Current	-0.4	A
$P_C$	Collector Power Dissipation	500	mW
$T_j, T_{stg}$	Junction and Storage Temperature	-55~150	°C

**Silicon Planar Epitaxial Transistor****2SA1662****ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified**

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C=-1mA, I_E=0$	-80			V
Collector- emitter breakdown voltage	$V_{(BR)CEO}$	$I_C=-10mA, I_B=0$	-80			V
Emitter- base breakdown voltage	$V_{(BR)EBO}$	$I_E=-1mA, I_C=0$	-5			V
Collector cut-off current	$I_{CBO}$	$V_{CB}=-80V, I_E=0$			-0.1	$\mu A$
Emitter cut-off current	$I_{EBO}$	$V_{EB}=-5V, I_C=0$			-0.1	$\mu A$
DC current gain	$h_{FE}$	$V_{CE}=-2V, I_C=-50mA$	70		240	
		$V_{CE}=-2V, I_C=-200mA$	40			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=-200mA, I_B=-20mA$			-0.4	V
Base-emitter	$V_{BE}$	$V_{CE}=-2V, I_C=-5mA$	-0.55		-0.8	V
Transition frequency	$f_T$	$V_{CE}=-10V, I_C=-10mA$		120		MHz
Collector output capacitance	$C_{ob}$	$V_{CB}=-10V, I_E=0, f=1MHz$		14		pF

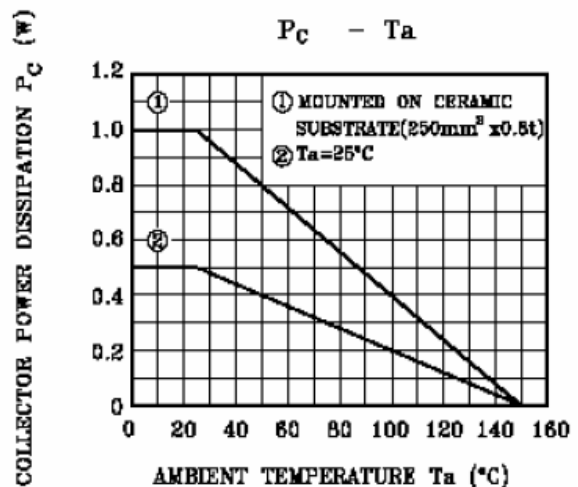
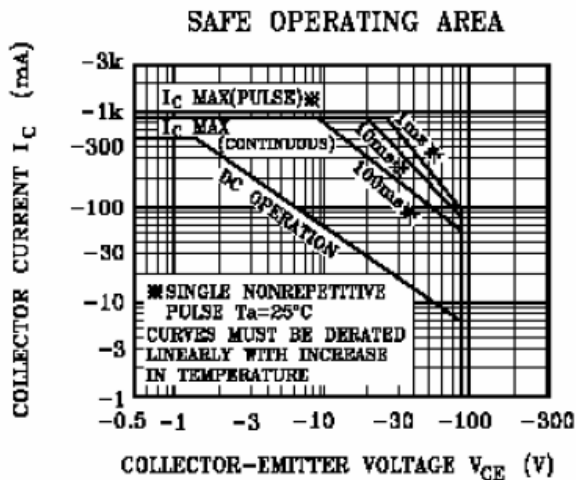
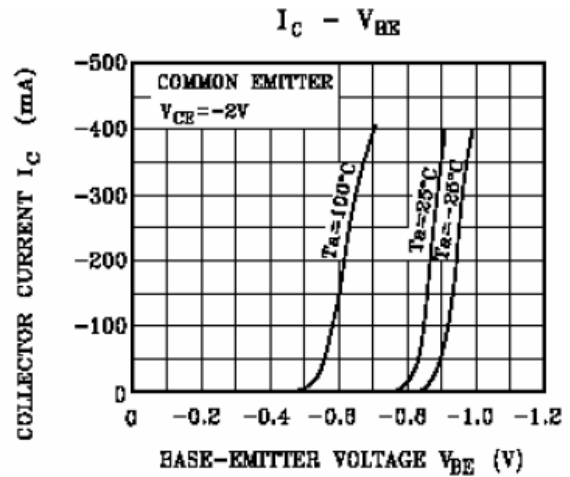
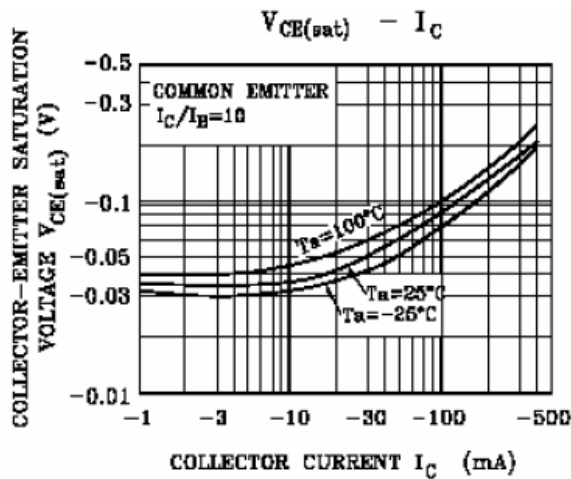
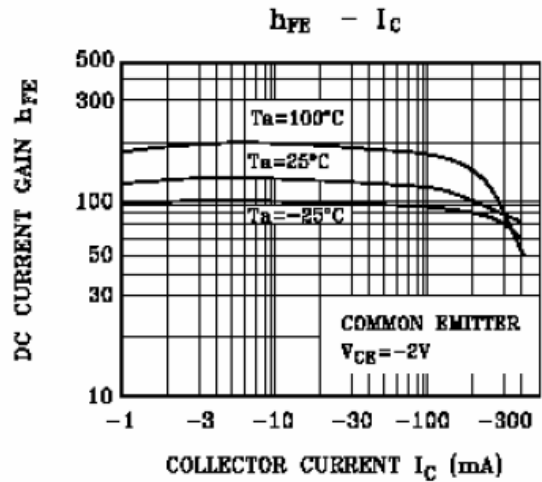
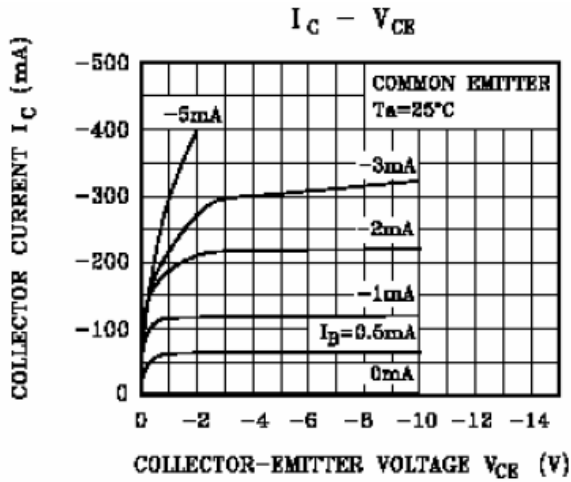
**CLASSIFICATION OF  $h_{FE}$** 

Rank	O	Y
Range	70-140	120-240
Marking	FO	FY

## Silicon Planar Epitaxial Transistor

2SA1662

TYPICAL CHARACTERISTICS @  $T_a=25^\circ\text{C}$  unless otherwise specified



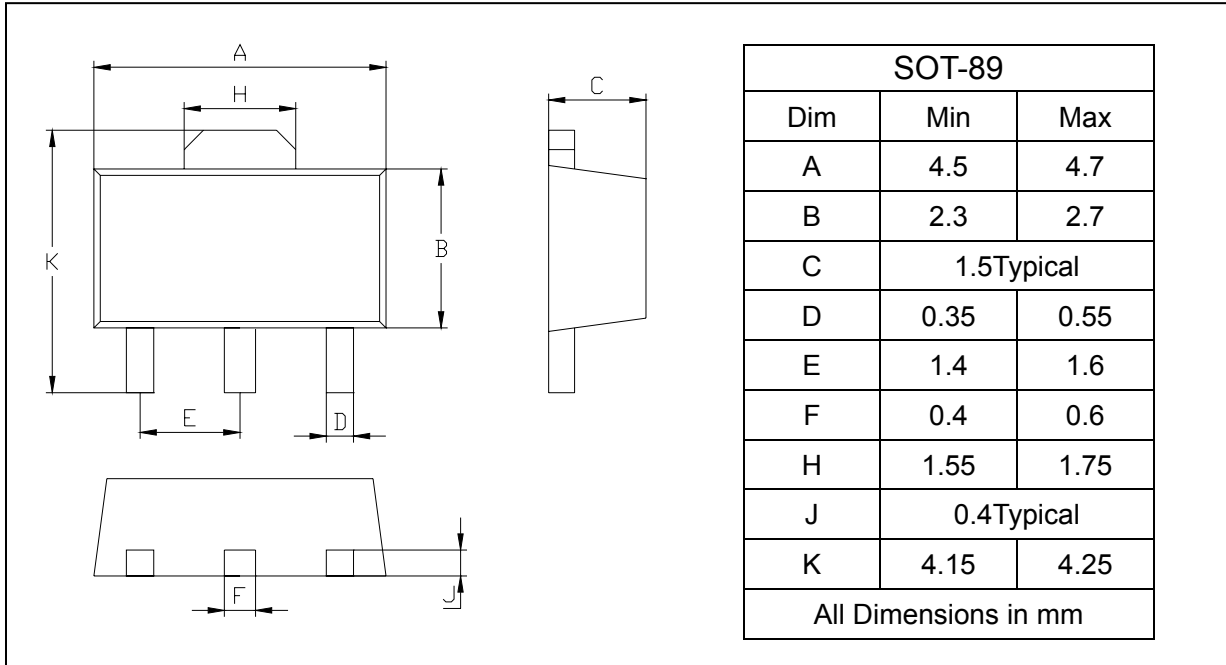
## Silicon Planar Epitaxial Transistor

2SA1662

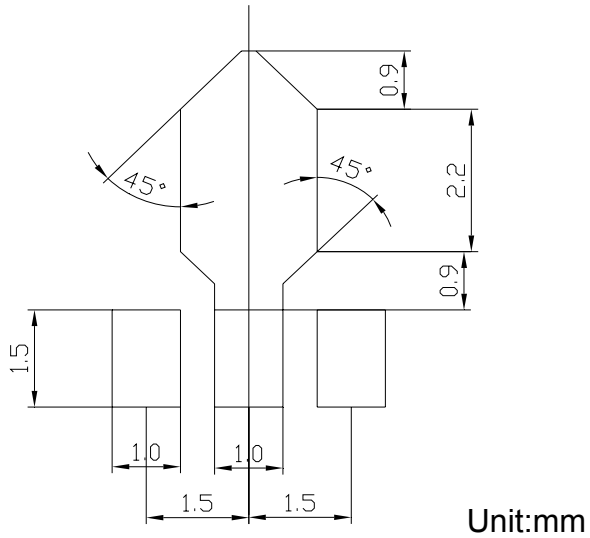
### PACKAGE OUTLINE

Plastic surface mounted package

SOT-89



### SOLDERING FOOTPRINT



### PACKAGE INFORMATION

Device	Package	Shipping
2SA1662	SOT-89	1000/Tape&Reel

[www.s-manuals.com](http://www.s-manuals.com)