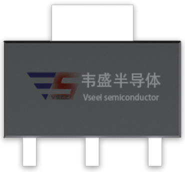
2SA1662 TRANSISTOR (PNP)



1.BASE

2.COLLECTOR

3.EMITTER

SOT-89

FEATURES

Complementary to KTC4374

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
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 -Continuous	-0.4	A
P_C	Collector Power Dissipation	0.5	W
T_J,T_{stg}	Operation Junction and Storage Temperature Range	-55-150	℃

ELECTRICAL CHARACTERISTICS (T_a=25℃ 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	μA
Emitter cut-off current	I_{EBO}	V_{EB}=-5V,I_C=0			-0.1	μA
DC current gain	$h_{FE(1)}$	V_{CE}=-2V,I_C=-50mA	70		240	
	$h_{FE(2)}$	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 voltage	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 $h_{FE(1)}$

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