

FEATURES

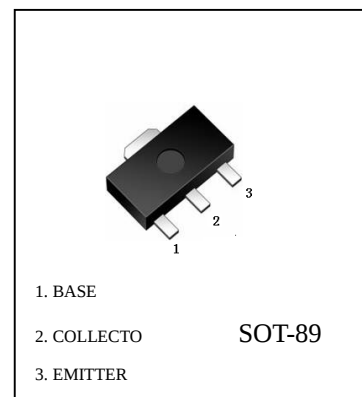
- Complementary to KTC4374



2SA1662 (PNP)

Maximum Ratings (Ta=25 °C unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	V _{CB0}	-80	V
Collector-Emitter Voltage	V _{CEO}	-80	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current -Continuous	I _C	-400	mA
Collector Power dissipation	P _C	500	mW
Junction Temperature	T _J	150	°C
Storage Temperature	T _{stg}	-55to +150	°C



ELECTRICAL CHARACTERISTICS (@ Ta=25 °C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{CB0}	I _C =-1mA, I _E =0	-80			V
Collector-emitter breakdown voltage	V _{CEO}	I _C =-10mA, I _B =0	-80			V
Emitter-base breakdown voltage	V _{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}

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

2SA1662 Typical Characteristics

