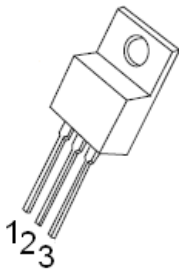
TO-220-3L Plastic-Encapsulate Transistors

2SB861 TRANSISTOR (PNP)

TO-220-3L

1. BASE
2. COLLECTOR
3. EMITTER



FEATURES

- Low Frequency Power Amplifier Color TV Vertical Deflection Output

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-200	V
V_{CEO}	Collector-Emitter Voltage	-150	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current	-2	A
P_C	Collector Power Dissipation	1.8	W
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	69	℃/W
T_j	Junction Temperature	150	℃
T_{stg}	Storage Temperature	-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=-5mA,I_E=0	-200			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$*	I_C=-50mA,I_B=0	-150			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	I_E=-5mA,I_C=0	-6			V
Collector cut-off current	I_{CBO}	V_{CB}=-120V,I_E=0			-1	μA
Emitter cut-off current	I_{EBO}	V_{EB}=-5V,I_C=0			-1	μA
DC current gain	$h_{FE(1)}$	V_{CE}=-4V, I_C=-50mA	60		200	
	$h_{FE(2)}$*	V_{CE}=-10V, I_C=-500mA	60			
Collector-emitter saturation voltage	$V_{CE(sat)}$	I_C=-500mA,I_B=-50mA			-3	V
Base-emitter voltage	V_{BE}	V_{CE}=-4V, I_C=-50mA			-1	V
Collector output capacitance	C_{ob}	V_{CB}=-100V,I_E=0, f=1MHz		30		pF

*Pulse test

CLASSIFICATION OF $h_{FE(1)}$

RANK	B	C
RANGE	60-120	100-200