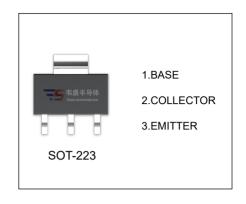


CZT5401 TRANSISTOR (PNP)

FEATURES

- High Voltage
- High Voltage Amplifier Application



MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-160	V
V _{CEO}	Collector-Emitter Voltage	-150	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current	-600	mA
Pc	Collector Power Dissipation	1	W
R _{θJA}	Thermal Resistance From Junction To Ambient	125	°C/W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C

ELECTRICAL CHARACTERISTICS (T_a=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-0.1mA,I _E =0	-160			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =-1mA,I _B =0	-150			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-0.01mA,I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-120V,I _E =0			-50	nA
Emitter cut-off current	I _{EBO}	V_{EB} =-3 V , I_{C} =0			-50	nA
	h _{FE(1)}	V _{CE} =-5V, I _C =-1mA	50			
DC current gain	h _{FE(2)}	V _{CE} =-5V, I _C =-10mA	100		300	
	h _{FE(3)}	V _{CE} =-5V, I _C =-50mA	50			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-10mA,I _B =-1mA			-0.2	V
Collector-entitler Saturation voltage		I _C =-50mA,I _B =-5mA			-0.5	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =-10mA,I _B =-1mA			-1	V
Dase-emitter saturation voitage		I _C =-50mA,I _B =-5mA			-1	V
Transition frequency	f _T	Vc=-10V,lc=-10mA, f=100MHz	100		300	MHz
Collector output capacitance	C _{ob}	V _{CB} =-10V, I _E =0, f=1MHz			6	pF