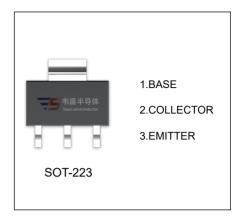


PZT4403 TRANSISTOR (PNP)

FEATURES

- Low Voltage and High Current
- Complementary to PZT4401
- Linear Amplifier and Switch Applications



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

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-40	V
V _{CEO}	Collector-Emitter Voltage	-40	V
V _{EBO}	Emitter-Base Voltage	-6	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	-40			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =-1mA,I _B =0	-40			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-0.1mA,I _C =0	-6			V
Collector cut-off current	I _{CBO}	V _{CB} =-40V,I _E =0			-50	nA
Emitter cut-off current	I _{EBO}	V _{EB} =-5V, I _C =0			-50	nA
	h _{FE(1)}	V _{CE} =-1V, I _C =-0.1mA	30			
DC current gain	h _{FE(2)}	V _{CE} =-1V, I _C =-1mA	60			
Do current gam	h _{FE(3)}	V _{CE} =-1V, I _C =-10mA	100			
	h _{FE(4)}	V _{CE} =-2V, I _C =-150mA	100		300	
	h _{FE(5)}	V _{CE} =-2V, I _C =-500mA	20			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-150mA,I _B =-15mA			-0.4	V
Conector-entitler Saturation Voltage		I _C =-500mA,I _B =-50mA			-0.75	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =-150mA,I _B =-15mA			-0.95	V
Base-ellitter saturation voltage		I _C =-500mA,I _B =-50mA			-1.3	V
Transition frequency	f _T	Vc=-10V,lc=-20mA, f=100MHz	200			MHz
Collector output capacitance	C _{ob}	V _{CB} =-5V, I _E =0, f=1MHz			8.5	pF
Emitter input capacitance	C _{ib}	V _{EB} =-0.5V, I _C =0, f=1MHz			35	pF



