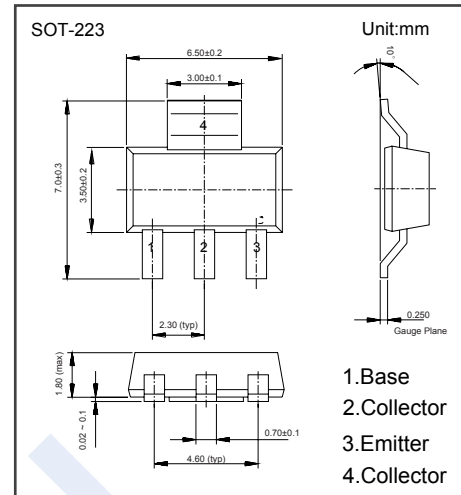


PNP Transistors

PZT4403 (KZT4403)

■ Features

- Low Voltage and Low Current
- General Purpose Amplifier and Switch Application
- Complementary to PZT4401

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Collector - Base Voltage	V_{CB0}	-40	V
Collector - Emitter Voltage	V_{CE0}	-40	
Emitter - Base Voltage	V_{EB0}	-6	
Collector Current - Continuous	I_C	-600	mA
Collector Power Dissipation	P_C	1	W
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	125	$^\circ\text{C}/\text{W}$
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 to 150	

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	V_{CB0}	$I_C = -100 \mu\text{A}, I_E = 0$	-40			V
Collector- emitter breakdown voltage	V_{CE0}	$I_C = -1 \text{ mA}, I_B = 0$	-40			
Emitter - base breakdown voltage	V_{EB0}	$I_E = -100 \mu\text{A}, I_C = 0$	-6			
Collector-base cut-off current	I_{CBO}	$V_{CB} = -40 \text{ V}, I_E = 0$			-100	nA
Emitter cut-off current	I_{EBO}	$V_{EB} = -6 \text{ V}, I_C = 0$			-100	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -150 \text{ mA}, I_B = -15 \text{ mA}$			-0.4	V
		$I_C = -500 \text{ mA}, I_B = -50 \text{ mA}$			-0.75	
Base - emitter saturation voltage	$V_{BE(sat)}$	$I_C = -150 \text{ mA}, I_B = -15 \text{ mA}$			-0.95	
		$I_C = -500 \text{ mA}, I_B = -50 \text{ mA}$			-1.3	
DC current gain	$h_{FE(1)}$	$V_{CE} = -1 \text{ V}, I_C = 0.1 \text{ mA}$	30			
	$h_{FE(2)}$	$V_{CE} = -1 \text{ V}, I_C = -1 \text{ mA}$	60			
	$h_{FE(3)}$	$V_{CE} = -1 \text{ V}, I_C = -10 \text{ mA}$	100			
	$h_{FE(4)}$	$V_{CE} = -1 \text{ V}, I_C = -150 \text{ mA}$	100		300	
Emitter input capacitance	C_{ib}	$V_{EB} = -0.5 \text{ V}, I_C = 0, f = 1 \text{ MHz}$			35	pF
Collector output capacitance	C_{ob}	$V_{CB} = -5 \text{ V}, I_E = 0, f = 1 \text{ MHz}$			8.5	
Transition frequency	f_T	$V_{CE} = -10 \text{ V}, I_C = -20 \text{ mA}, f = 100 \text{ MHz}$	200			MHz