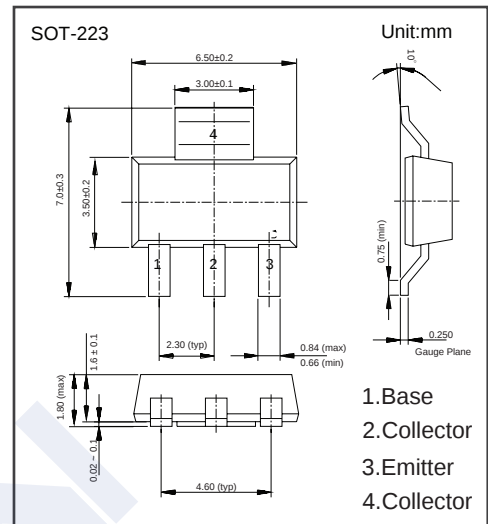
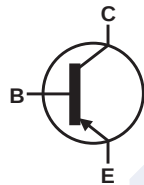


PNP Transistors

FZT751

■ Features

- 60 Volt V_{CE0} .
- 3 Amp continuous current.
- Low saturation voltage.

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

Parameter	Symbol	Rating	Unit
Collector-base voltage	V_{CBO}	-80	V
Collector-emitter voltage	V_{CEO}	-60	V
Emitter-base voltage	V_{EBO}	-5	V
Continuous collector current	I_{CM}	-6	A
Peak pulse current	I_C	-3	A
Power dissipation	P_{tot}	2	W
Operating and storage temperature range	T_j, T_{stg}	-55 to +150	$^\circ\text{C}$

PNP Transistors

FZT751

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

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = -100\mu\text{A}$	-80			V
Collector-emitter breakdown voltage *	$V_{(BR)CEO}$	$I_C = -10\text{mA}$	-60			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = -100\mu\text{A}$	-5			V
Collector Cut-Off Current	I_{CBO}	$V_{CB} = -60\text{V}$ $V_{CB} = -60\text{V}, T_a = 100^\circ\text{C}$			-0.1 -10	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB} = -4\text{V}$			-0.1	μA
Collector-emitter saturation voltage *	$V_{CE(sat)}$	$I_C = -1\text{A}, I_B = -100\text{mA}$ $I_C = -3\text{A}, I_B = -300\text{mA}$		-0.15 -0.45	-0.3 -0.6	V
Base-emitter saturation voltage *	$V_{BE(sat)}$	$I_C = -1\text{A}, I_B = -100\text{mA}$		-0.9	-1.25	V
Base-emitter ON voltage *	$V_{BE(on)}$	$I_C = -1\text{A}, V_{CE} = -2\text{V}$		-0.8	-1.0	V
Collector Cut-Off Current Transfer Ratio *	h_{FE}	$I_C = -50\text{mA}, V_{CE} = -2\text{V}^*$	70	200		
		$I_C = -500\text{mA}, V_{CE} = -2\text{V}^*$	100	200	300	
		$I_C = -1\text{A}, V_{CE} = -2\text{V}^*$	80	170		
		$I_C = -2\text{A}, V_{CE} = -2\text{V}^*$	40	150		
Transitional frequency	f_T	$I_C = -100\text{mA}, V_{CE} = -5\text{V}, f = 100\text{MHz}$	100	140		MHz
Output capacitance	C_{obo}	$V_{CB} = -10\text{V}, f = 1\text{MHz}$			30	pF
Turn-on time	$t_{(on)}$	$I_C = -500\text{mA}, V_{CC} = -10\text{V}$		40		ns
Turn-off time	$t_{(off)}$			450		ns

* Pulse test: $t_p = 300\mu\text{s}; d \leq 0.02$.

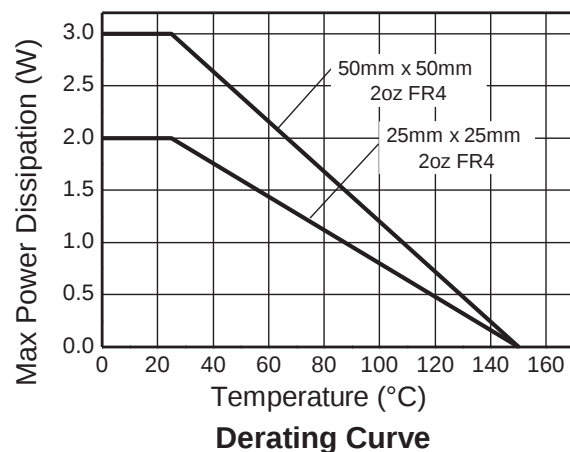
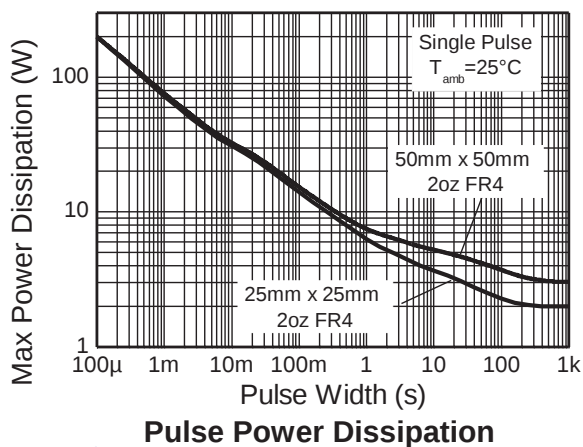
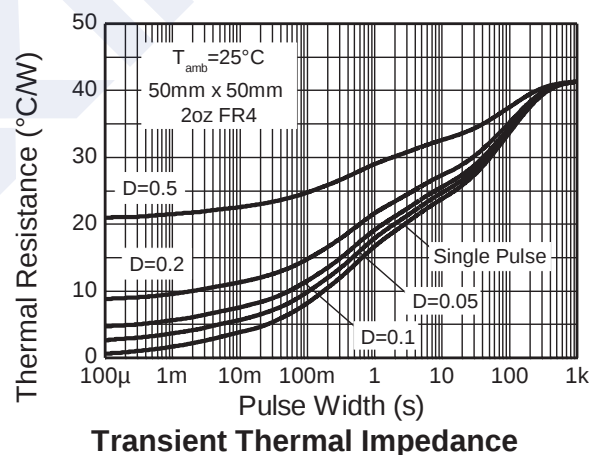
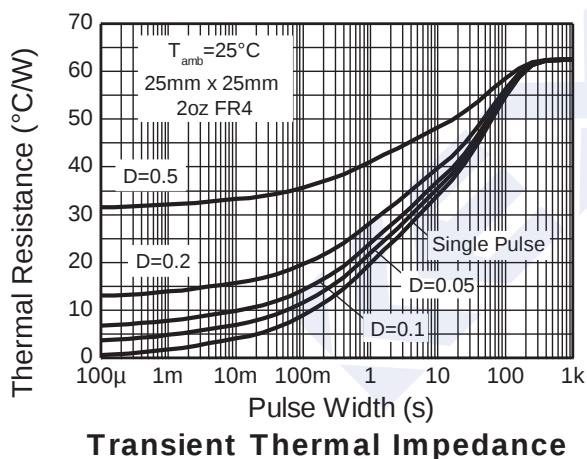
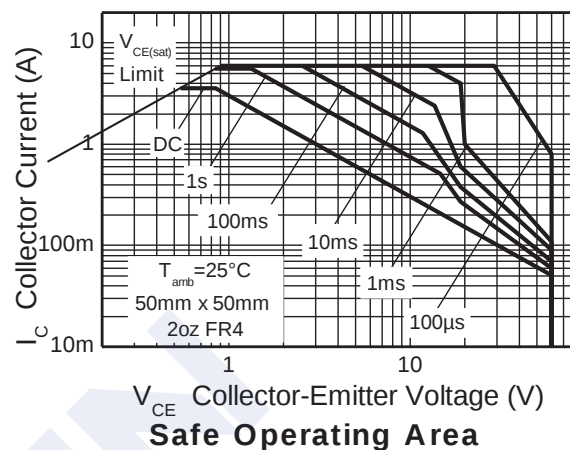
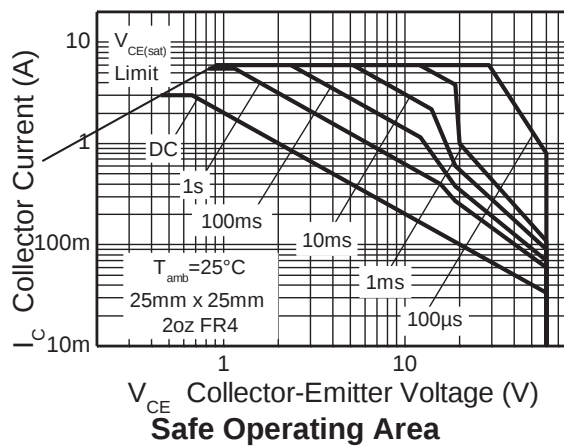
■ Marking

Marking	FZT751
---------	--------

PNP Transistors

FZT751

■ Thermal Characteristics and Derating Information



PNP Transistors

FZT751

■ Typical Characteristics

