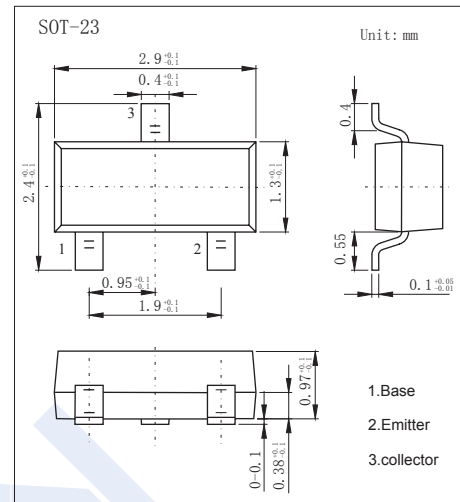


## PNP Transistors

### FMMT723 (KMMT723)

#### ■ Features

- Collector Current Capability  $I_c = -1A$
- Collector Emitter Voltage  $V_{CE0} = -100V$
- Complementary to FMMT624



#### ■ Absolute Maximum Ratings $T_a = 25^\circ C$

Parameter	Symbol	Rating	Unit
Collector - Base Voltage	$V_{CB0}$	-100	V
Collector - Emitter Voltage	$V_{CE0}$	-100	
Emitter - Base Voltage	$V_{EB0}$	-5	
Collector Current - Continuous	$I_c$	-1	A
Collector Current - Pulse	$I_{CP}$	-2.5	
Base Current	$I_B$	-0.5	
Collector Power Dissipation	$P_c$	625	mW
Junction Temperature	$T_J$	150	$^\circ C$
Storage Temperature range	$T_{stg}$	-55 to 150	

## PNP Transistors

### FMMT723 (KMMT723)

#### ■ Electrical Characteristics Ta = 25°C

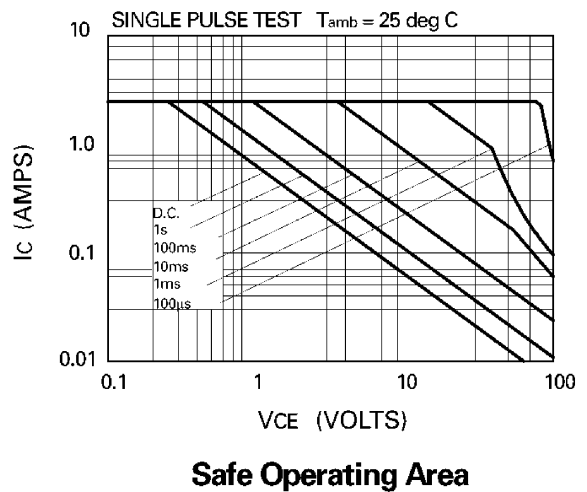
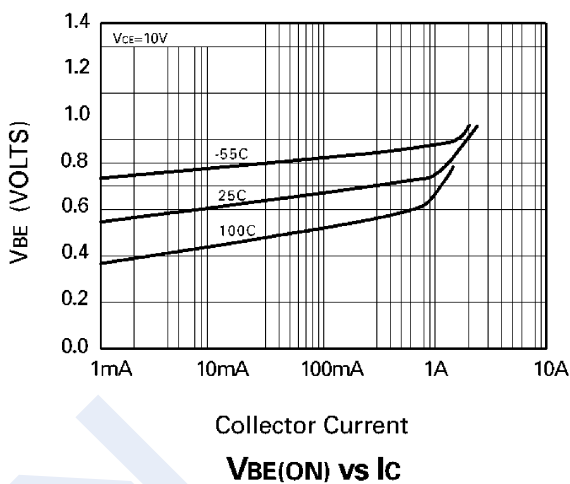
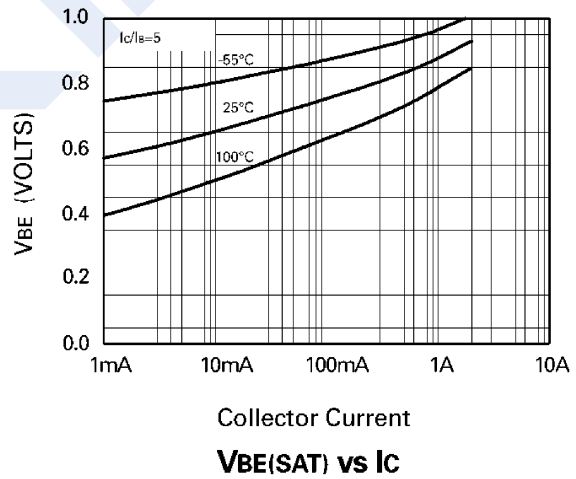
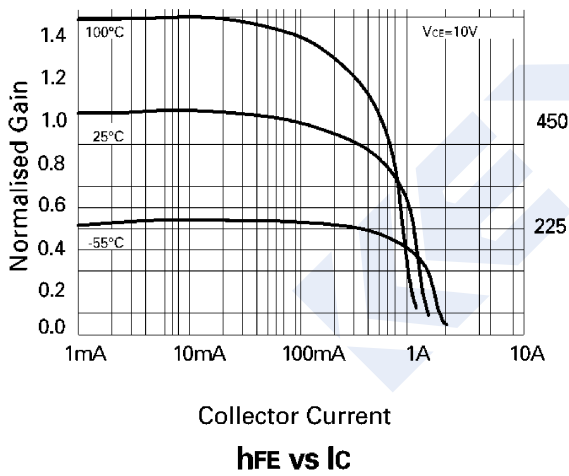
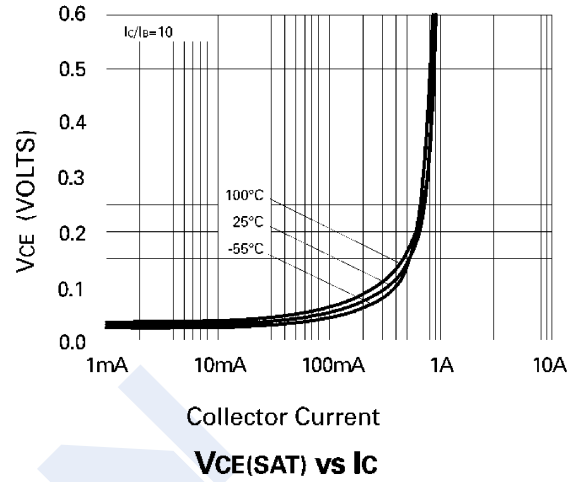
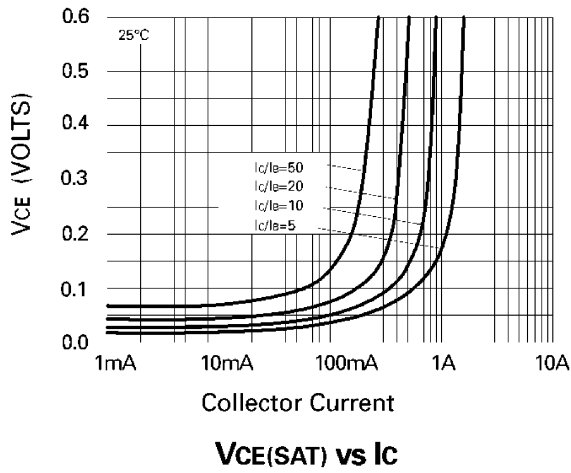
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	V <sub>CBO</sub>	I <sub>c</sub> = -100 μA, I <sub>E</sub> =0	-100			V
Collector- emitter breakdown voltage	V <sub>CEO</sub>	I <sub>c</sub> = -10 mA, I <sub>B</sub> =0	-100			
Emitter - base breakdown voltage	V <sub>EBO</sub>	I <sub>E</sub> = -100 μA, I <sub>c</sub> =0	-5			
Collector-base cut-off current	I <sub>CBO</sub>	V <sub>CB</sub> = -80 V, I <sub>E</sub> =0			-100	nA
Collector- emittercut-off current	I <sub>CEs</sub>	V <sub>CE</sub> = -80 V, I <sub>E</sub> =0			-100	
Emitter cut-off current	I <sub>EBO</sub>	V <sub>EB</sub> = -4V, I <sub>c</sub> =0			-100	
Collector-emitter saturation voltage	V <sub>CE(sat)</sub>	I <sub>c</sub> =-100 mA, I <sub>B</sub> =-10mA			-80	mV
		I <sub>c</sub> =-500 mA, I <sub>B</sub> =-50mA			-200	
		I <sub>c</sub> =-1 A, I <sub>B</sub> =-150mA			-330	
Base - emitter saturation voltage	V <sub>BE(sat)</sub>	I <sub>c</sub> =-1 A, I <sub>B</sub> =-150mA			-1	V
Base - emitter turn-on voltage	V <sub>BE(on)</sub>	V <sub>CE</sub> = -10V, I <sub>c</sub> = -1A			-1	
DC current gain	h <sub>FE</sub>	V <sub>CE</sub> = -10V, I <sub>c</sub> = -10mA	300			
		V <sub>CE</sub> = -1V, I <sub>c</sub> = -100mA	300			
		V <sub>CE</sub> = -10V, I <sub>c</sub> = -0.5A	250			
		V <sub>CE</sub> = -10V, I <sub>c</sub> = -1A		250		
		V <sub>CE</sub> = -10V, I <sub>c</sub> = -1.5A		30		
Turn-on time	t <sub>on</sub>	V <sub>CC</sub> =-50V, I <sub>c</sub> =-0.5A		50		ns
Turn-off time	t <sub>off</sub>	I <sub>B1</sub> =-I <sub>B2</sub> =50mA		760		
Collector output capacitance	C <sub>ob</sub>	V <sub>CB</sub> = -10V, f=1MHz			20	pF
Transition frequency	f <sub>T</sub>	V <sub>CE</sub> = -10V, I <sub>c</sub> = -50mA,f=100MHz	150			MHz

#### ■ Marking

Marking	723
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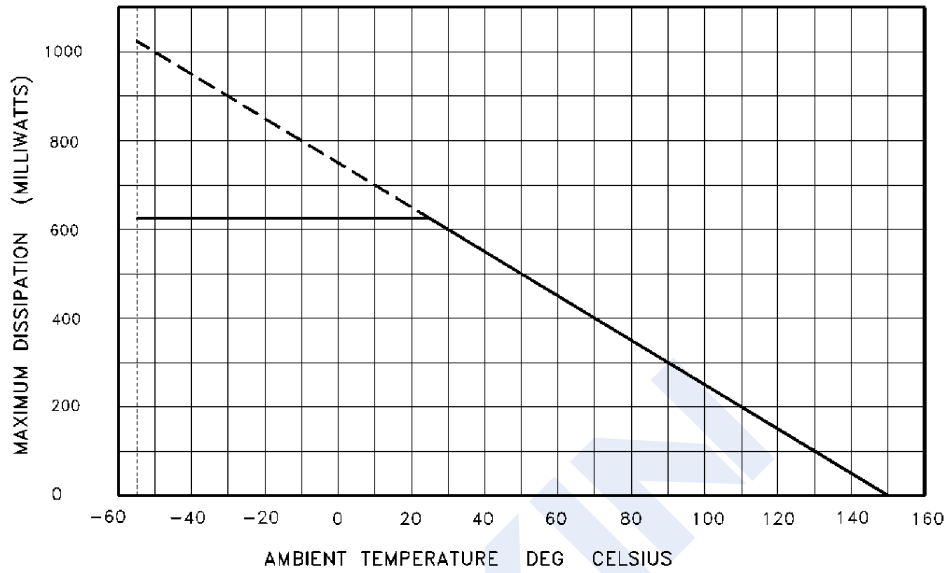
## PNP Transistors FMMT723 (KMMT723)

■ Typical Characteristics

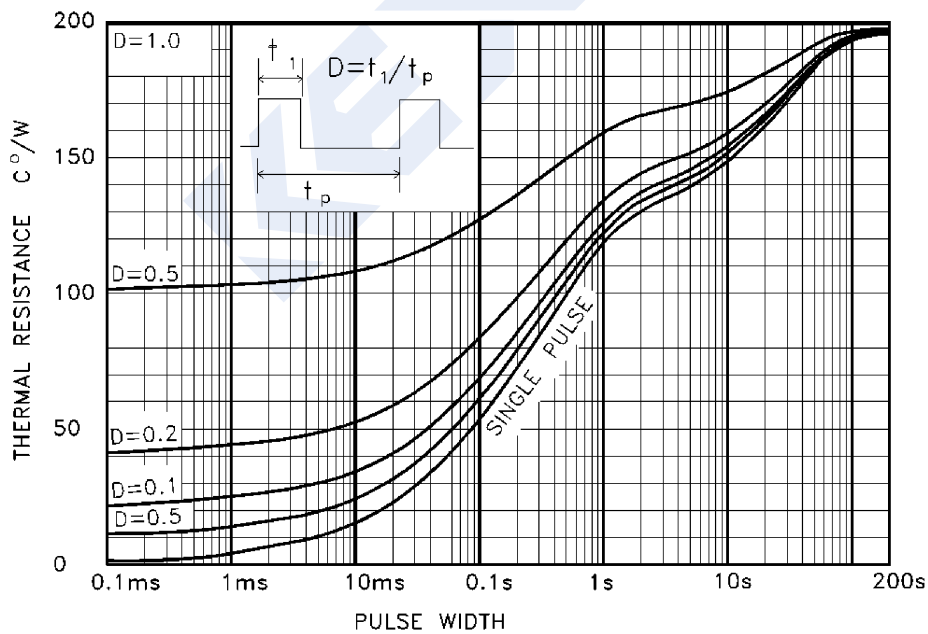


## PNP Transistors FMMT723 (KMMT723)

■ Typical Characteristics



DERATING CURVE



MAXIMUM TRANSIENT THERMAL RESISTANCE