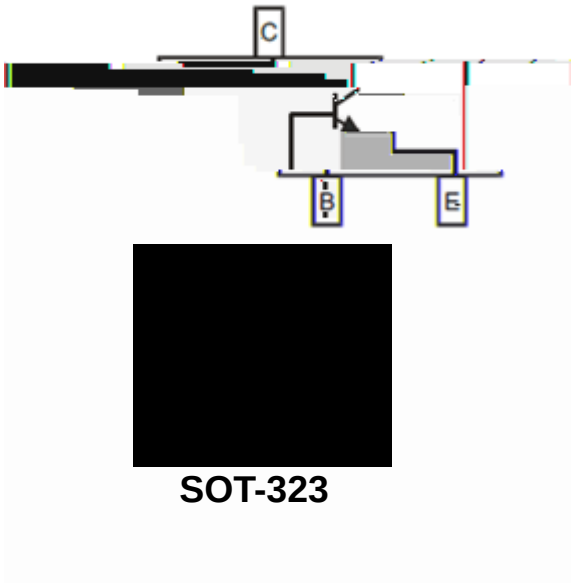
MMST2222AQ



SOT-323

Applications

- Switching and linear amplification

Mechanical Data

- Case: SOT-323
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Marking: K3P

■ **Maximum Ratings** (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Value
Collector-Base Voltage	V_{CBO}	V	75
Collector-Emitter Voltage	V_{CEO}	V	40
Emitter-Base Voltage	V_{EBO}	V	6
Collector Current -Continuous	I_C	mA	600
Total Device Dissipation (*)	P_D	mW	200
Thermal Resistance Junction to Ambient (*)	R_{thJA}	K/W	625
Junction Temperature	T_j		-55 to +150
Storage Temperature	T_{STG}		-55 to +150

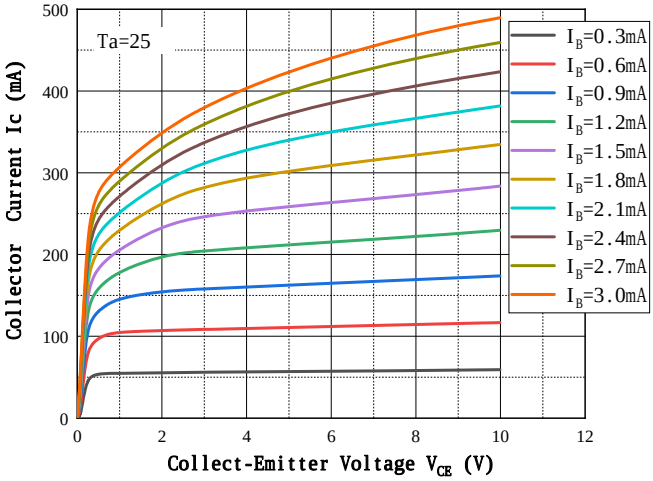
(*) Device mounted on FR-4 PCB 1.0 x 1.0 x 0.06 inch.

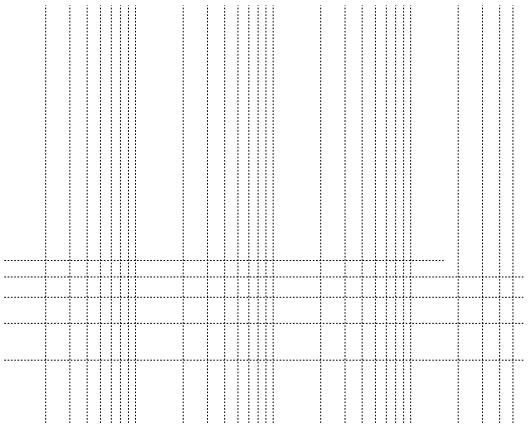
■ **Electrical Characteristics** (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	$V_{(BR)CBO}$	V	I_C=10uA,I_E=0	75		
Collector-emitter breakdown voltage	$V_{(BR)CEO*}$	V	I_C =10mA,I_B=0	40		
Emitter-base breakdown voltage	$V_{(BR)EBO}$	V	I_E=10μA,I_CC			

■ **Characteristics** (Typical)

Fig.1-Static Characteristic





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