

Marking code: FMMT720

**PNP SILICON POWER(SWITCHING) TRANSISTORS**

Outline example

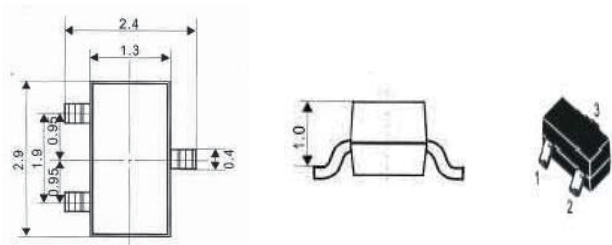
1: base 2: emitter 3: collector

encapsulation mode: SOT-23

Switching transistor

Extremely low saturation voltage

Complementary NPN type: FMMT619



Marking	720
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**Maximum ratings(Ta=25°C unless otherwise noted)**

Parameter	Symbol	Value	Unit
Collector-Base Breakdown Voltage	VCBO	-40	V
Collector-Emitter Breakdown Voltage	VCEO	-40	V
Emitter-Base Breakdown Voltage	VEBO	-5	V
Collector Current	IC	-1.5	A
Collector Power Dissipation	PC	350	mW
Junction Temperature	TJ	150	°C
Storage Temperature	Tstg	-65~150	°C

**Electrical Characteristics (Ta=25°C unless otherwise noted)**

Parameter	Symbol	Test Condition	Min	Max	Unit
Collector-Base Breakdown Voltage	VCBO	IC=-100uA IE=0	-40		V
Collector-Emitter Breakdown Voltage	VCEO	IC=-10mA IB=0	-40		V
Emitter-Base Breakdown Voltage	VEBO	IE=-100uA IC=0	-5		V
Collector Cutoff Current	ICBO	VCB=-35V IE=0		-0.1	uA
Collector Cutoff Current	ICES	VCB=-35V VBE=0V		-0.1	uA
Emitter Cutoff Current	IEBO	VEB=-4V IC=0		-0.1	uA
DC Current Gain	HFE(1)	VCE=-2V IC=-10mA	300		
	HFE(2)	VCE=-2V IC=-100mA	300		
	HFE(3)	VCE=-2V IC=-1A	180		
	HFE(4)	VCE=-2V IC=-1.5A	60		
	HFE(5)	VCE=-2V IC=-3A	12		
Collector-Emitter Saturation Voltage	VCE(sat)	IC=-0.1A IB=-10mA		-40	mV
		IC=-1A IB=-50mA		-220	mV
		IC=-1.5A IB=-100mA		-330	mV
Base-emitter Saturation Voltage	VBE(sat)	IC=-1.5A IB=-75mA		-1	V
Base-emitter Voltage	VBE(on)	VCE=-2V IC=-1.5mA		-1	V
transition frequency	ft	VCE=-10V IC=-50mA	150		MHZ

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