



SOT-23 Plastic-Encapsulate Transistors

FMMT4124 TRANSISTOR (NPN)

FEATURES

Power dissipation

P_{CM} : 0.33 W ($T_{amb}=25^{\circ}C$)

Collector current

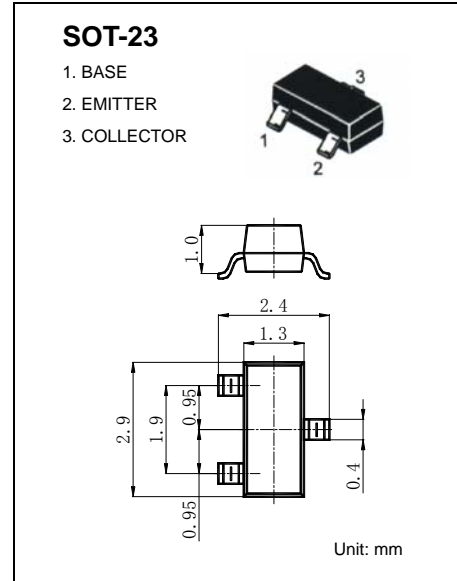
I_{CM} : 0.2 A

Collector-base voltage

$V_{(BR)CBO}$: 30 V

Operating and storage junction temperature range

T_J, T_{stg} : $-55^{\circ}C$ to $+150^{\circ}C$



ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}C$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C=10\mu A, I_E=0$	30			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C=1mA, I_B=0$	25			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E=10\mu A, I_C=0$	5			V
Collector cut-off current	I_{CBO}	$V_{CB}=20V, I_E=0$			0.05	μA
Emitter cut-off current	I_{EBO}	$V_{EB}=3V, I_C=0$			0.05	μA
DC current gain	H_{FE}	$V_{CE}=1V, I_C=2mA$	120		360	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=50mA, I_B=5mA$			0.3	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C=50mA, I_B=5mA$			0.95	V
Transition frequency	f_T	$V_{CE}=20V, I_C=10mA$ $f=100MHz$	300			MHz

Marking	FMMT4124: ZC
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