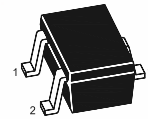
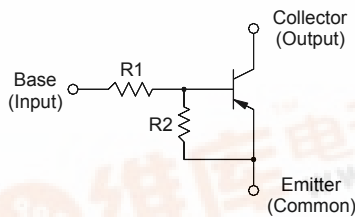


MMDTA124W

[查询"MMDTA124W"供应商](#)

PNP Silicon Epitaxial Planar Digital Transistor



1.Base 2.Emitter 3.Collector
SOT-323 Plastic Package

Resistance Values

Type	R1 (KΩ)	R2 (KΩ)
MMDTA124W	22	22

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Collector Base Voltage	-V _{CBO}	50	V
Collector Emitter Voltage	-V _{CEO}	50	V
Emitter Base Voltage	-V _{EBO}	10	V
Input Voltage	V _I	- 40 to + 10	V
Collector Current	-I _C	100	mA
Total Power Dissipation	P _{tot}	200	mW
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	- 65 to + 150	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Typ.	Max.	Unit
DC Current Gain at -V _{CE} = 5 V, -I _C = 5 mA	h _{FE}	60	-	-	-
Collector Base Cutoff Current at -V _{CB} = 50 V	-I _{CBO}	-	-	100	nA
Collector Emitter Cutoff Current at -V _{CE} = 30 V	-I _{CEO}	-	-	1	μA
Emitter Base Cutoff Current at -V _{EB} = 5 V	-I _{EBO}	-	-	180	μA
Collector Emitter Saturation Voltage at -I _C = 10 mA, -I _B = 0.5 mA	-V _{CEsat}	-	-	0.15	V
Input Off Voltage at -V _{CE} = 5 V, -I _C = 100 μA	-V _{I(off)}	0.8	-	-	V
Input On Voltage at -V _{CE} = 0.3 V, -I _C = 5 mA	-V _{I(on)}	-	-	2.5	V
Input Resistance	R1	15.4	22	28.6	KΩ
Resistance Ratio	R2/R1	0.8	1	1.2	-

SEMTECH ELECTRONICS LTD.

(Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)

