

MJD42C-254

产品说明书

说明书更新履历：

版本	发行时间	新制/修订内容
2019-08	2019 年 8 月	更换新模板
2021-05	2021 年 5 月	更换新模板
2025-05	2025 年 5 月	更换新模板

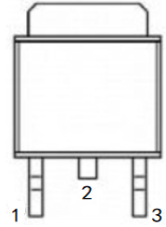
- Designed for General Purpose Amplifier and Low Speed Switching Applications.
- Lead Formed for Surface Mount Applications in Plastic Sleeves (No Suffix)
- Straight Lead Version in Plastic Sleeves ("–1" Suffix)
- Lead Formed Version in 16 mm Tape and Reel ("T4" Suffix)
- Electrically Similar to Popular TIP41 and TIP42 Series
- Monolithic Construction With Built-in Base-Emitter Resistors

TO-252

1.BASE

2.COLLECTOR

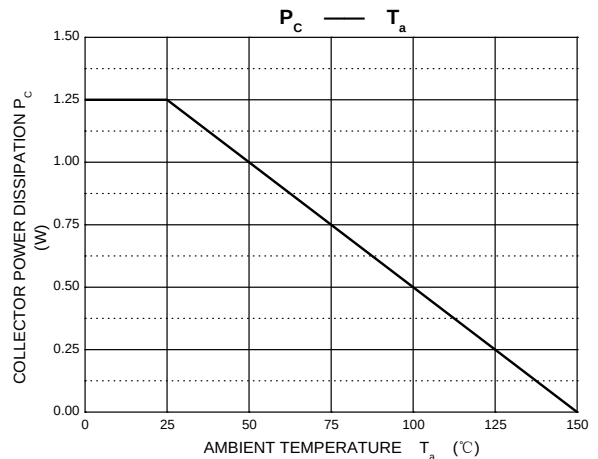
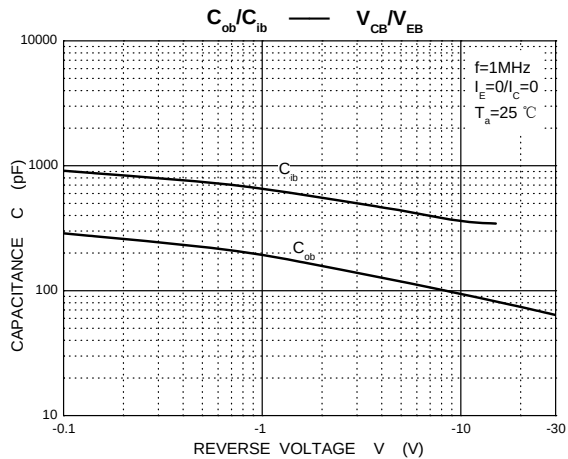
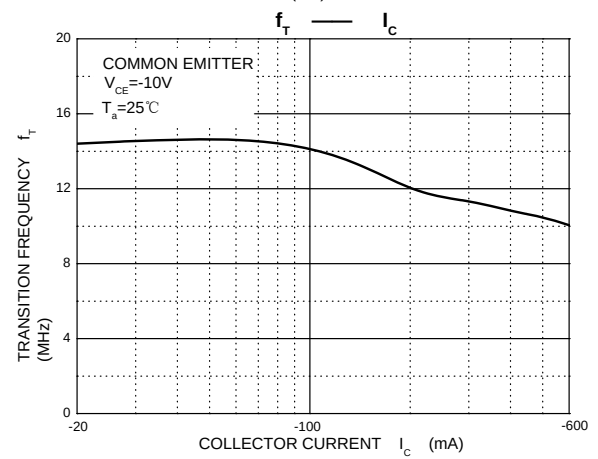
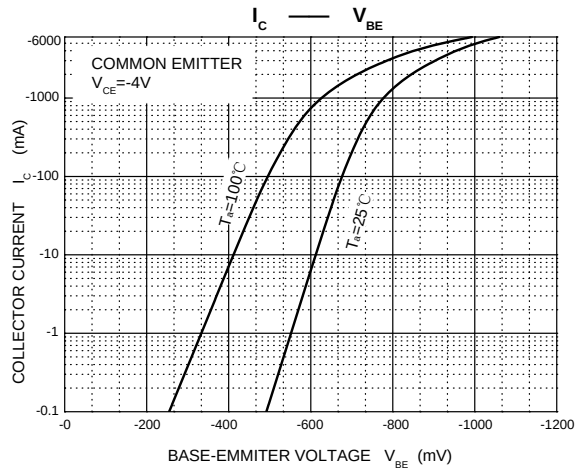
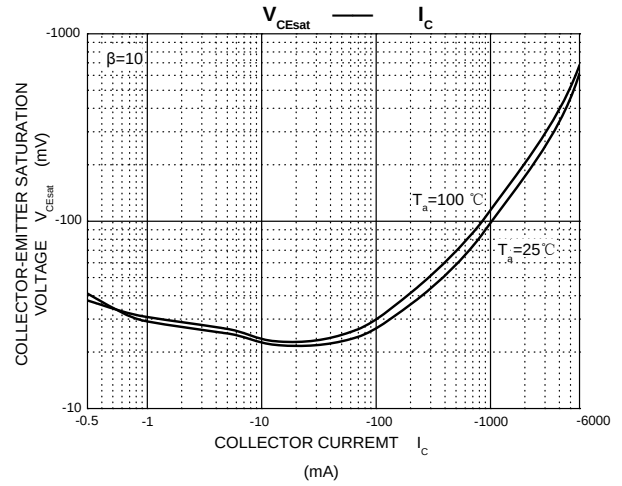
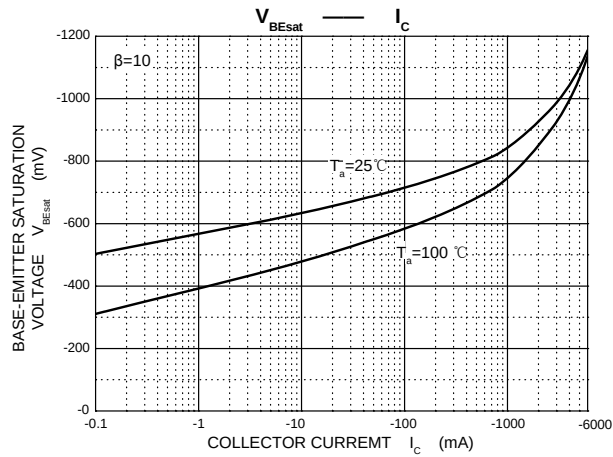
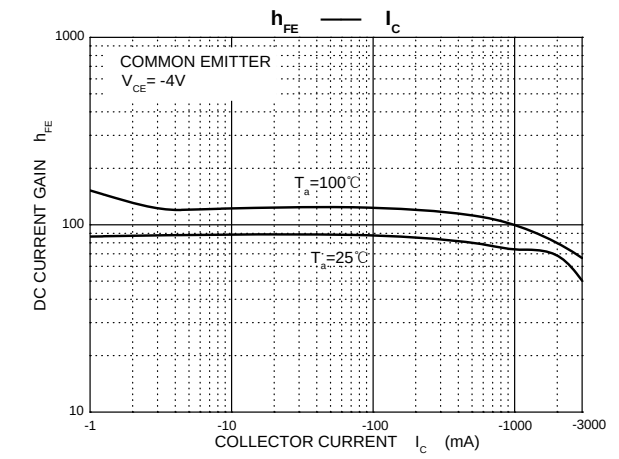
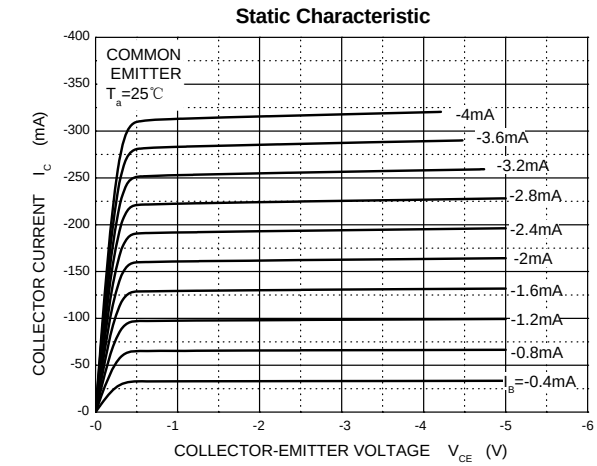
3.EMITTER


MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

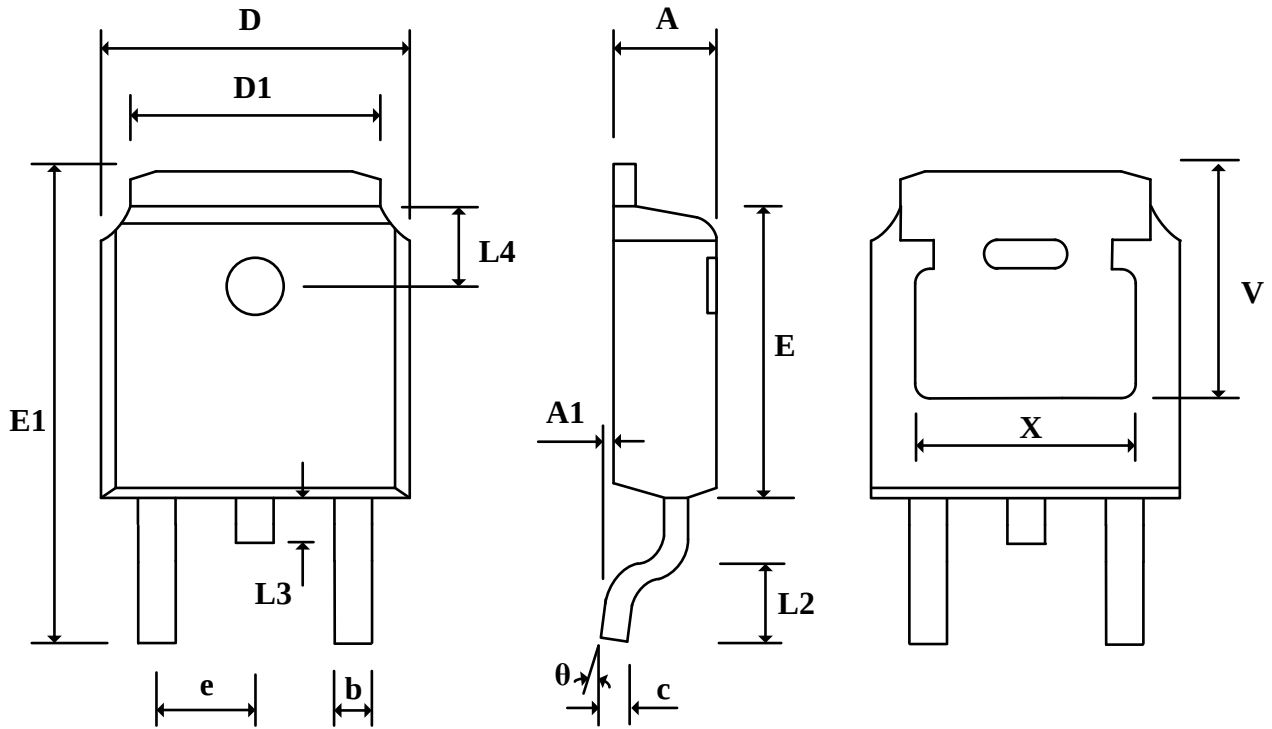
Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-120	V
V _{CEO}	Collector-Emitter Voltage	-100	V
V _{EBO}	Emitter-Base Voltage	-6	V
I _C	Collector Current -Continuous	-1.5	A
P _C	Collector Power Dissipation	1	W
T _J , T _{stg}	Operation Junction and Storage Temperature Range	-55-150	°C

ELECTRICAL CHARACTERISTICS (T_a=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-100μA, I _E =0	-120			V
Collector-emitter breakdown voltage	V _{CEO(sus)}	I _C =-1mA, I _B =0	-100			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-100μA, I _C =0	-6			V
Collector-base cut-off current	I _{CBO}	V _{CB} =-96V, I _E =0			-0.5	μA
Emitter-base cut-off current	I _{EBO}	V _{EB} =-5V, I _C =0			-0.5	μA
DC current gain	h _{FE}	V _{CE} =-5V, I _C =-0.5A	100		300	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-1A, I _B =-0.1A			-0.6	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =-1A, I _B =-0.1A			-1.5	V



TO-252-2L



Unit	Dimensions In Millimeters		Unit	Dimensions In Millimeters	
	Min	Max		Min	Max
A	2.200	2.400	E1	9.400	10.300
A1	0.000	0.127	L2	1.400	1.780
b	0.500	0.850	L3	0.500	1.000
c	0.430	0.580	L4	1.700	1.900
D	6.350	6.700	θ	0 °	8 °
D1	5.200	5.400	V	5.300 (REF)	
E	5.400	6.200	X	4.830 (REF)	
e	2.286 (REF)				