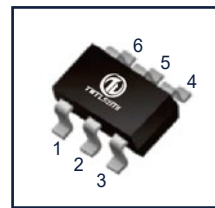
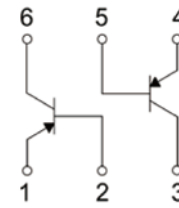


Features

- Complementary NPN Type available MMDT2222A



SOT-363



Equivalent Circuit

Absolute Maximum Ratings(T_A=25℃)

Symbol	Parameter	Value	Unit
V _{CB0}	Collector-Base Voltage	-60	V
V _{CE0}	Collector-Emitter Voltage	-60	V
V _{EB0}	Emitter-Base Voltage	-5	V
I _C	Collector Current	-0.6	A
P _C	Collector Power Dissipation	200	mW
T _J , T _{stg}	Operation Junction And Storage Temperature Range	-55 ~ +150	℃

Electrical Characteristics (T_A=25℃ unless otherwise specified)

Symbol	Parameter	Test conditions	Min	Typ	Max	Unit
V _{(BR)CBO}	Collector-base breakdown voltage	I _C =-10μA, I _E =0	-60			V
V _{(BR)CEO}	Collector-emitter breakdown voltage	I _C =-10mA, I _B =0	-60			V
V _{(BR)EBO}	Emitter-base breakdown voltage	I _E =-10μA, I _C =0	-5			V
I _{CBO}	Collector cut-off current	V _{CB} =-50V, I _E =0			-10	nA
I _{CEX}	Collector cut-off current	V _{CE} =-30V, V _{EB(off)} =-0.5V			-50	nA
I _{EBO}	Emitter cut-off current	V _{EB} =-5V, I _C =0			-10	nA
h _{FE(1)}	DC current gain	V _{CE} =-10V, I _C =-0.1mA	75			
h _{FE(2)}		V _{CE} =-10V, I _C =-1mA	100			
h _{FE(3)}		V _{CE} =-10V, I _C =-10mA	100			
h _{FE(4)}		V _{CE} =-10V, I _C =-150mA	100		300	
h _{FE(5)}		V _{CE} =-10V, I _C =-500mA	50			
V _{CE(sat)(1)}	Collector-emitter saturation voltage	I _C =-150mA, I _B =-15mA			-0.4	V
V _{CE(sat)(2)}		I _C =-500mA, I _B =-50mA			-1.6	V
V _{BE(1)}	Base-emitter voltage	I _C =-150mA, I _B =-15mA			-1.3	V
V _{BE(2)}		I _C =-500mA, I _B =-50mA			-2.6	V
f _T	Transition frequency	V _{CE} =-20V, I _C =-50mA, f=100MHz	200			MHz
C _{ob}	Output Capacitance	V _{CB} =-10V, I _E =0A, f=1MHz			8	pF
C _{ib}	Input Capacitance	V _{CB} =-2V, I _E =0A, f=1MHz			30	pF
t _d	Delay time	V _{CC} =-30V, I _C =-150mA, I _{B1} =-15mA			10	nS
t _r	Rise time				40	nS
t _s	Storage time	V _{CC} =-6V, I _C =-150mA, I _{B1} =-I _{B2} =-15mA			225	nS
t _f	Fall time				60	nS

Ordering information

Product ID	Pack	Naming rule	Marking	h _{FE(1)}	Qty(PCS)
MMDT2907A	SOT-363	MMDT2907A ↓ 产品名称 product name	K2F	100-300	3000



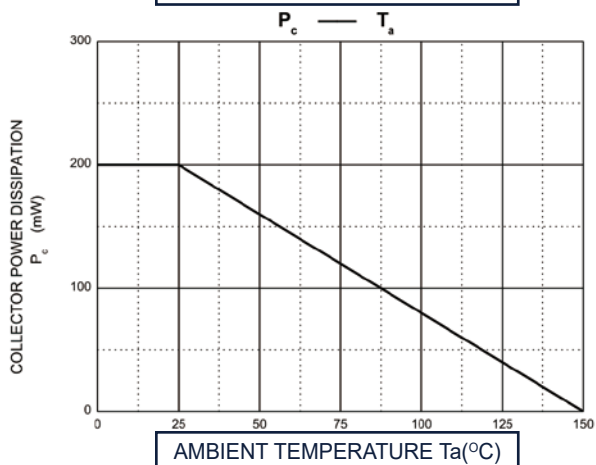
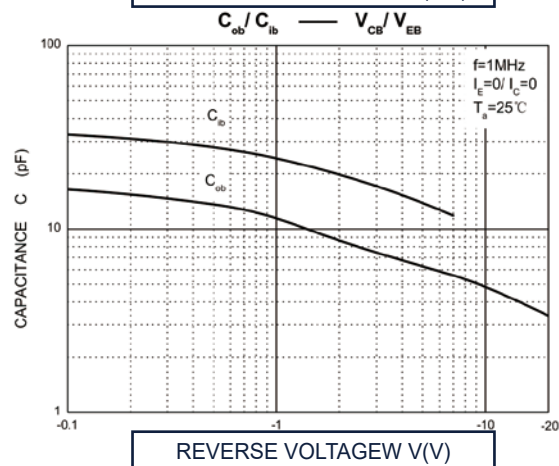
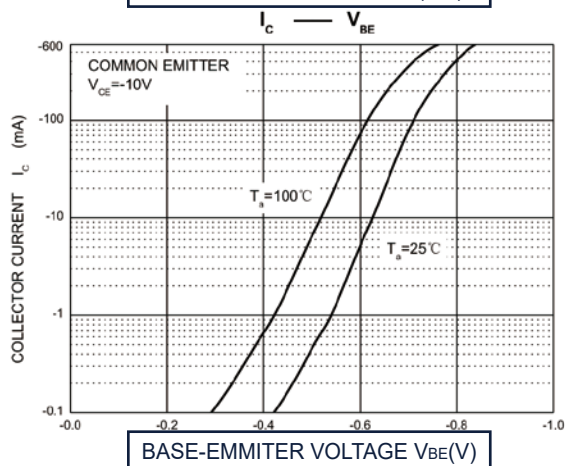
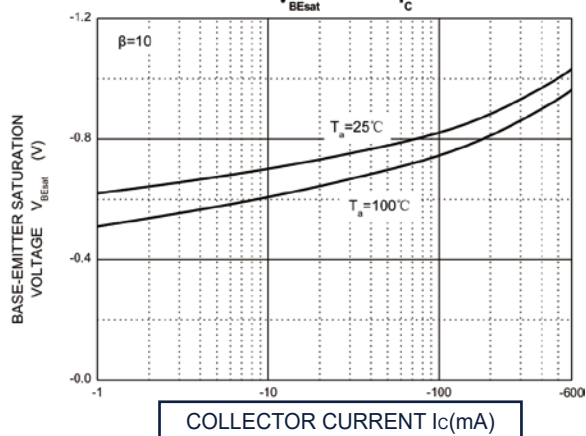
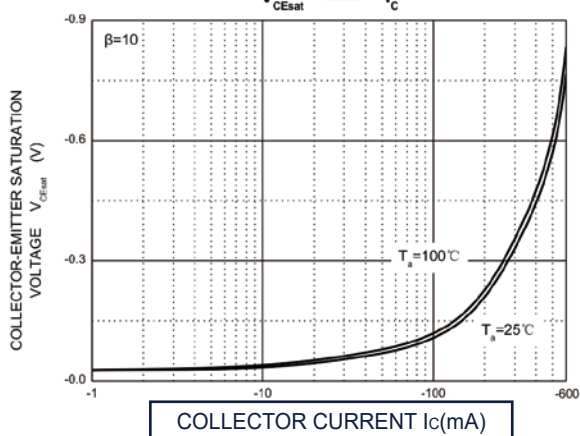
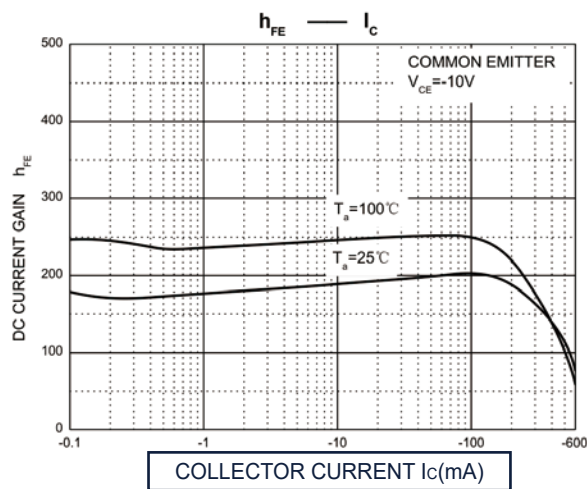
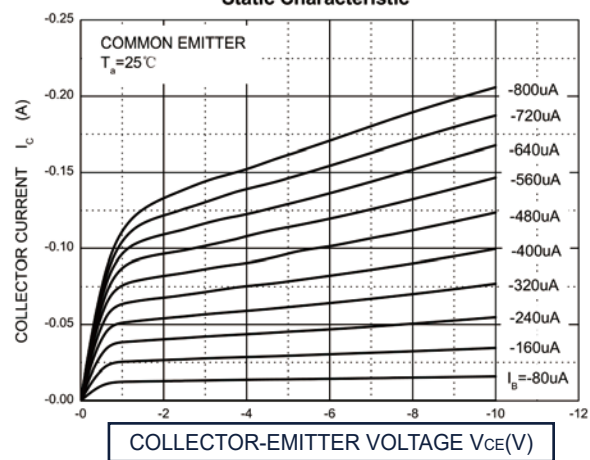
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SOT-363 DUAL TRANSISTOR (PNP+PNP)

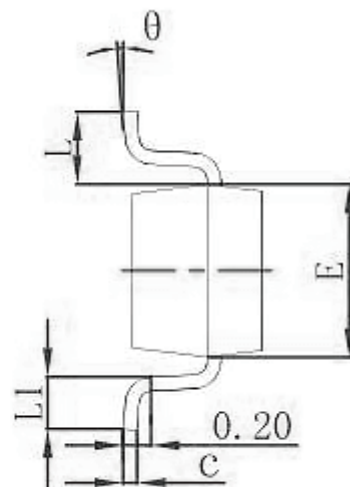
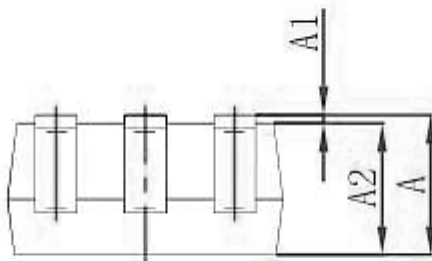
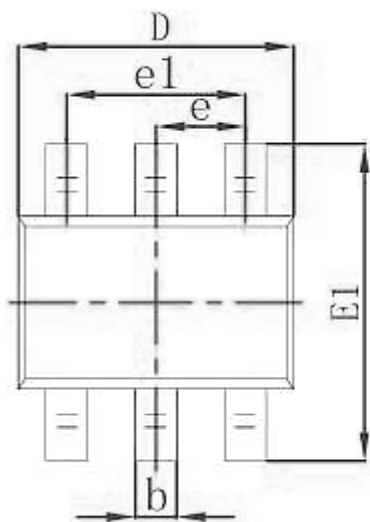
Typical Characteristics

Static Characteristic





SOT-363 Package Outline Dimensions



Symbol	Dimensions in Millimeters		Dimensions in Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A1	0.000	0.100	0.000	0.004
A2	0.900	1.000	0.035	0.039
b	0.150	0.350	0.006	0.014
c	0.100	0.150	0.004	0.006
D	2.000	2.200	0.079	0.087
E	1.150	1.350	0.045	0.053
E1	2.150	2.450	0.085	0.096
e	0.650 TYP		0.026 TYP	
e1	1.200	1.400	0.047	0.055
L	0.525 REF		0.021 REF	
L1	0.260	0.460	0.010	0.018
θ	0°	8°	0°	8°