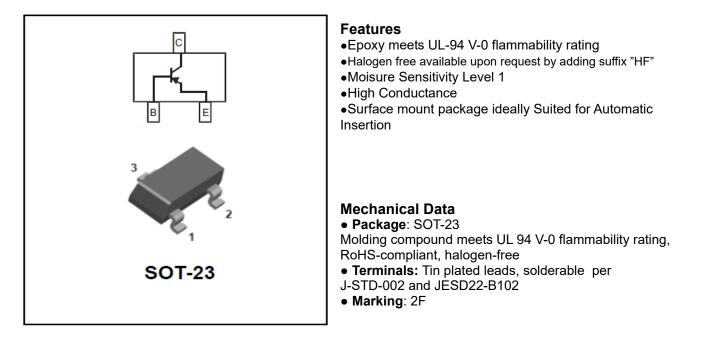
PNP General Purpose Amplifier



■Maximum Rantings (Ta=25°C unless otherwise noted)

Item	Symbol	Unit	Conditions	Value
Collector-Base Voltage	V _{CBO}	V		-60
Collector-Emitter Voltage	V _{CEO}	V		-60
Emitter-Base Voltage	V _{EBO}	V		-5
Collector Current	Ic	А		-0.6
Collector Power Dissipation	Pc	W		0.3
Junction Temperature	Tj	°C		-55 to +150
Storage Temperature	T _{stg}	°C		-55 to +150

■Electrical Characteristics (Ta=25°C Unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	Мах
Collector-base breakdown voltage	V _{CBO}	V	IC=-10µA,IE=0	-60	
Collector-emitter breakdown voltage	V _{CEO}	V	IC =-10mA,IB=0	-60	
Emitter-base breakdown voltage	V_{EBO}	V	IE=-10μΑ,IC=0	-5	
Collector-base cut-off current	I _{CBO}	uA	VCB=-50V,IE=0		-0.1
Collector-emitter cut-off current	I _{CEX}	uA	VCE=-30V, VBE=-0.5V		-0.05
DC current gain	h _{FE}		VCE=-10V,IC=-0.1mA	75	
	h _{FE}		VCE=-10V,IC=-1mA	100	
	h _{FE}		VCE=-10V,IC=-10mA	100	
	h _{FE}		VCE=-10V,IC=-150mA	100	300
	h _{FE}		VCE=-10V,IC=-500mA	50	
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	IC=-150mA,IB=-15mA		-0.4
Collector-emitter saturation voltage	V _{CE(sat)}	V	IC=-500mA,IB=-50mA		-1.6
Base-emitter saturation voltage	$V_{BE(sat)^*}$	V	IC=-150mA,IB=-15mA		-1.3
Base-emitter saturation voltage	$V_{BE(sat)^*}$	V	IC=-500mA,IB=-50mA		-2.6

■Electrical Characteristics (Ta=25°C Unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	Мах
Transition frequency	Ft	MHz	VCE=-20V,IC=-50mA,f=100MHz	200	
Delay time	td	ns	VCC=-30V,IC=-150mA, IB1=-		10
Rise time	tr	ns	15mA		40
Storage time	ts	ns	VCC=-6V,IC=-150mA,		80
Fall time	tf	ns	IB1= IB2=-15mA		30

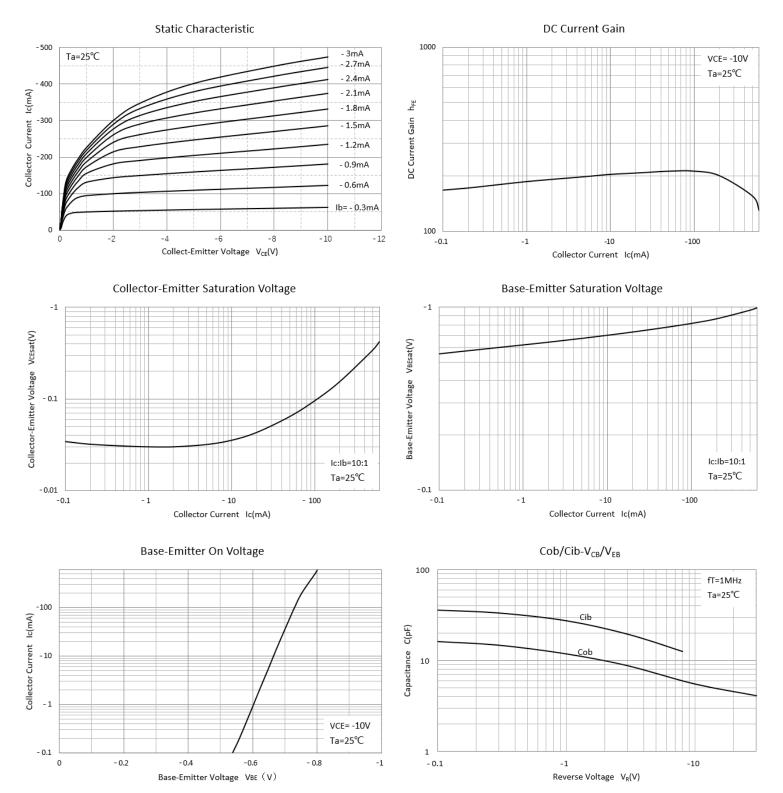
■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MMBT2907A	F2	Approximate 0.008	3000	30000	120000	7" reel



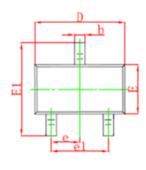


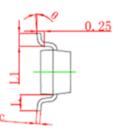
■Characteristics(Typical)

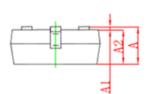


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■SOT-23 Package Outline Dimensions

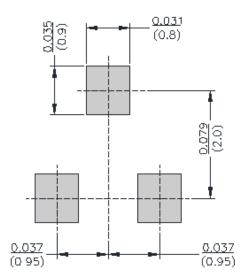






Symbol -	Dimensions In	Millimeters	Dimensions In Inches		
	Min	Max	Min	Max	
A	0.900	1.150	0.035	0.045	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.050	0.035	0.041	
b	0.300	0.500	0.012	0.020	
c	0.100	0.200	0.004	0.008	
D	2.800	3.000	0.110	0.118	
E	1.200	1.400	0.047	0.055	
E1	2.250	2.550	0.089	0.100	
е	0.95	OTYP	0. 037TYP		
el	1.800	2.000	0.071	0.079	
L	0.55	OREF	0. 022REF		
L1	0.300	0.500	0.012	0.020	
θ	0°	8°	0°	8°	

■SOT-23 Soldering Footprint



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