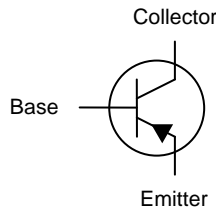
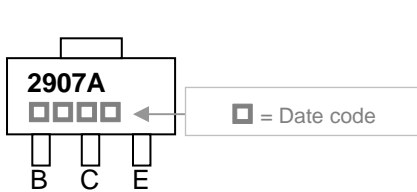


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

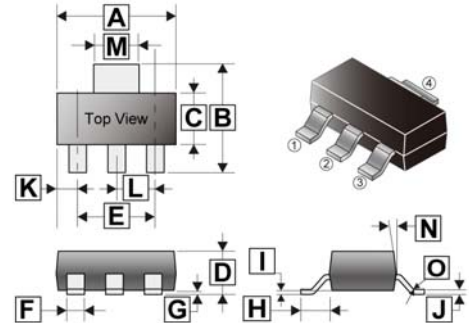
DESCRIPTION

- The PZT2907A is designed for general purpose amplifier and high-speed switching, medium power switching applications.

MARKING



SOT-223



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.30	6.70	G	0.02	0.10
B	6.70	7.30	H	1.50	2.00
C	3.30	3.70	J	0.25	0.35
D	1.42	1.90	K	0.85	1.05
E	4.60 REF.		L	2.30 REF.	
F	0.60	0.80	M	2.90	3.10
I	0.02	0.10	N	13 TYP.	
O	0°	10°			

MAXIMUM RATINGS (T_A=25 °C, unless otherwise specified)

Parameter	Symbol	Value	Unit
Collector to Base Voltage	V _{CB0}	-60	V
Collector to Emitter Voltage	V _{CEO}	-60	V
Emitter to Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-600	mA
Total Power Dissipation	P _D	1.5	W
Junction, Storage Temperature	T _J , T _{STG}	+150, -55 ~ +150	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Collector - Base Breakdown Voltage	V _{(BR)CBO}	-60	-	-	V	I _C = -10µA
Collector - Emitter Breakdown Voltage	V _{(BR)CEO}	-60	-	-	V	I _C = -10mA
Emitter - Base Breakdown Voltage	V _{(BR)EBO}	-5	-	-	V	I _C = -10µA
Collector Cut - Off Current	I _{CB0}	-	-	-10	nA	V _{CB} = -50V
Emitter Cut - Off Current	I _{CEx}	-	-	-50	nA	V _{CE} = -30V, V _{BE} = -0.5V
Collector - Emitter Saturation Voltage	V _{CE(sat)1}	-	-0.2	-0.4	V	I _C = -150mA, I _B = -15mA
	V _{CE(sat)2}	-	-0.5	-1.6	V	I _C = -500mA, I _B = -50mA
Base - Emitter Voltage	V _{BE(sat)}	-	-	-1.3	V	I _C = -150mA, I _B = -15mA
	V _{BE(sat)}	-	-	-2.6	V	I _C = -500mA, I _B = -50mA
DC Current Gain	h _{FE1}	75	-	-		V _{CE} = -10V, I _C = -100 µA
	h _{FE2}	100	-	-		V _{CE} = -10V, I _C = -1mA
	h _{FE3}	100	-	-		V _{CE} = -10V, I _C = -10mA
	h _{FE4}	100	180	300		V _{CE} = -10V, I _C = -150mA
	h _{FE5}	50	-	-		V _{CE} = -10V, I _C = -500mA
Transition Frequency	f _T	200	-	-	MHz	V _{CB} = -20V, I _C = -50mA, f = 100 MHz
Collector Output Capacitance	C _{OB}	-	-	8	pF	V _{CB} = -10 V, f = 1 MHz

*Pulse Test : Pulse width ≤ 380 µs, Duty cycle ≤ 2 %

CHARACTERISTIC CURVES

