

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

FEATURES

- Complementary to CZT31C
- Power amplifier applications up to 3 Amps.

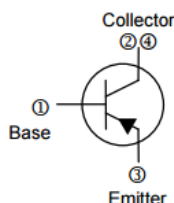
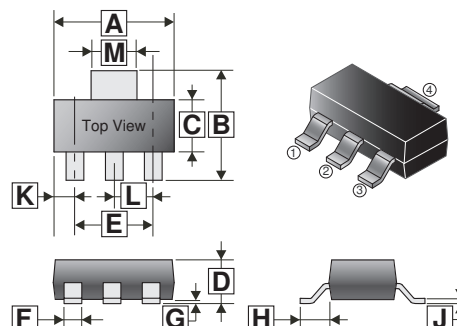
MARKING

CZT32C

PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-223	2.5K	13 inch

SOT-223



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	5.90	6.70	G	-	0.18
B	6.70	7.30	H	2.00	REF.
C	3.30	3.80	J	0.20	0.40
D	1.42	1.90	K	1.10	REF.
E	4.45	4.75	L	2.30	REF.
F	0.60	0.85	M	2.80	3.20

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

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-100	V
Collector-Emitter Voltage	V _{CEO}	-100	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current-Continuous	I _C	-3	A
Collector Power Dissipation	P _D	-1	W
Junction and Storage Temperature	T _J , T _{STG}	150, -65~150	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-100	-	-	V	I _C = -1mA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-100	-	-	V	I _C = -30mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-5	-	-	V	I _C =0, I _E = -3mA
Collector Cut-off Current	I _{CBO}	-	-	-200	uA	V _{CB} = -100V, I _E =0
Base Cut-off Current	I _{CEO}	-	-	-300	uA	V _{CE} = -60V, I _B =0
Emitter Cut-off Current	I _{EBO}	-	-	-1	mA	V _{EB} = -5V, I _C =0
DC Current Gain ¹	h _{FE(1)}	25	-	-		V _{CE} = -4V, I _C = -1A
	h _{FE(2)}	10	-	100		V _{CE} = -4V, I _C = -3A
Collector-Emitter Saturation Voltage ¹	V _{CE(sat)}	-	-	-1.2	V	I _C = -3A, I _B = -375mA
Base-Emitter Voltage ¹	V _{BE(on)}	-	-	-1.8	V	V _{CE} = -4V, I _C = -3A
Transition Frequency	f _T	3	-	-	MHZ	V _{CE} = -10V, I _C = -0.5A, f=1MHZ

Note:

1. Pulsed, 2%D.C.

TYPICAL CHARACTERISTICS

