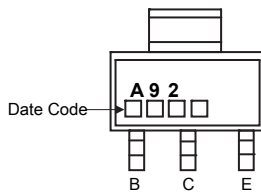
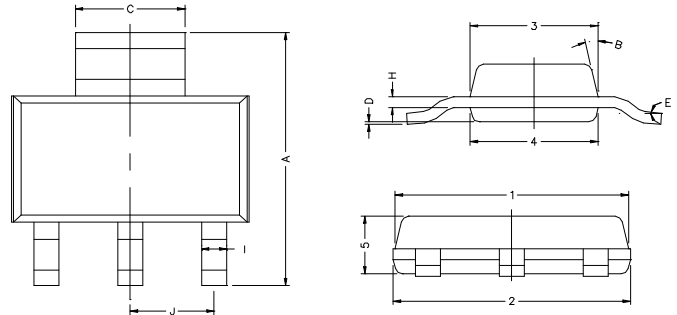


RoHS Compliant Product

SOT-223

Description

The PZTA92 is designed for application as a video output to drive color CRT, or as a dialer circuit in electronics telephone.



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.70	7.30	B	13 TYP.	
C	2.90	3.10	J	2.30 REF.	
D	0.02	0.10	1	6.30	6.70
E	0°	10°	2	6.30	6.70
I	0.60	0.80	3	3.30	3.70
H	0.25	0.35	4	3.30	3.70
			5	1.40	1.80

ABSOLUTE MAXIMUM RATINGS Ta=25°C

Symbol	Parameter	Value	Units
V _{CB0}	Collector-Base Voltage	-300	V
V _{CEO}	Collector-Emitter Voltage	-300	V
V _{EB0}	Emitter-Base Voltage	-5	V
I _C	Collector Current	-500	mA
P _D	Total Power Dissipation	2	W
T _J , T _{stg}	Junction and Storage Temperature	-55~+150	°C

ELECTRICAL CHARACTERISTICS Tamb=25°C unless otherwise specified

Parameter	Symbol	Min	Typ.	Max	Unit	Test Conditions
Collector-Base Breakdown Voltage	BV _{CB0}	-300	-	-	V	I _C =-100μA, I _E =0
Collector-Emitter Breakdown Voltage	BV _{CEO}	-300	-	-	V	I _C =-1mA, I _B =0
Emitter-Base Breakdown Voltage	BV _{EB0}	-5	-	-	V	I _E =-100μA, I _C =0
Collector-Base Cutoff Current	I _{CB0}	-	-	-250	nA	V _{CB} =-200V, I _E =0
Emitter-Base Cutoff Current	I _{EB0}	-	-	-100	nA	V _{BE} =-3V
Collector Saturation Voltage	V _{CE(sat)}	-	-	-500	mV	I _C =-20mA, I _B =-2mA
Base Saturation Voltage	V _{BE(sat)}	-	-	-900	mV	I _C =-20mA, I _B =-2mA
DC Current Gain	h _{FE1}	25	-	-		V _{CE} =-10V, I _C =-1mA
	h _{FE2}	40	-	-		V _{CE} =-10V, I _C =-10mA
	h _{FE3}	25	-	-		V _{CE} =-10V, I _C =-30mA
Gain-Bandwidth Product	f _T	50	-	-	MHZ	V _{CE} =-20V, I _C =-10mA, f=100MHZ
Output Capacitance	C _{ob}	-	-	6	pF	V _{CB} =-20V, f=1MHZ

Characteristics Curve

