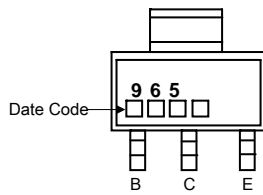
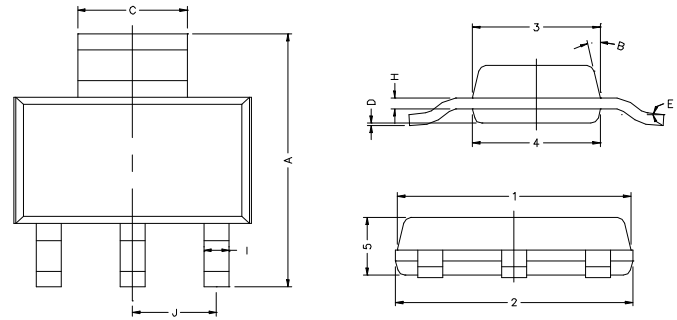


RoHS Compliant Product

SOT-223

Description

The PZT965 is designed for use as AF output amplifier and flash unit.



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	40	V
V _{CEO}	Collector-Emitter Voltage	20	V
V _{EBO}	Emitter-Base Voltage	7	V
I _C	Collector Current (Continuous)	5	A
	Collector Current (Peak PT=10mS)	8	
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}	40	-	-	V	I _C = 100µA
Collector-Emitter Breakdown Voltage	*BV _{CEO}	20	-	-	V	I _C = 1 mA
Emitter-Base Breakdown Voltage	BV _{EBO}	7	-	-	V	I _E = 10µA
Collector-Base Cutoff Current	I _{CB0}	-	-	0.1	µA	V _{CB} = 60V
Emitter-Base Cutoff Current	I _{EBO}	-	-	0.1	µA	V _{EB} =7V
Collector Saturation Voltage	*V _{CE(sat)}	-	0.35	1	V	I _C =3A, I _B =0.1 A
DC Current Gain	*h _{FE1}	230	-	800		V _{CE} = 2 V, I _C =0.5 A
	*h _{FE2}	150	-	-		V _{CE} = 2 V, I _C =2 A
Gain-Bandwidth Product	f _T	-	150	-	MHz	V _{CE} = 6 V, I _E = 50mA
Output Capacitance	C _{ob}	-	-	50	pF	V _{CB} = 20V, f=1MHz

*Pulse width ≤ 300µs, Duty Cycle ≤ 2%

Classification of hFE

Rank	R
Range	340~600

Characteristics Curve

