

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

FEATURES

- Low Collector-Emitter Saturation Voltage

CLASSIFICATION OF h_{FE}

Product-Rank	PZT882J-O-C	PZT882J-Y-C	PZT882J-GR-C
Range	100~200	160~320	200~400

MARKING

D882

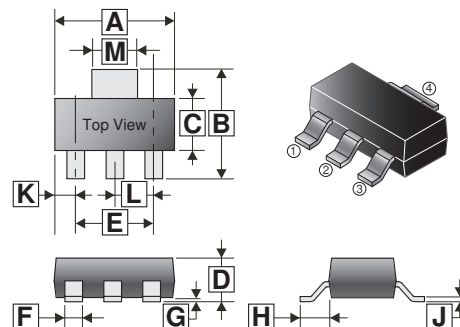
PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-223	2.5K	13 inch

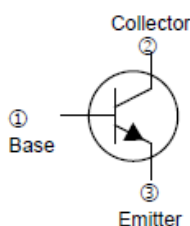
ORDER INFORMATION

Part Number	Type
PZT882J-O-C	Lead (Pb)-free and Halogen-free
PZT882J-Y-C	
PZT882J-GR-C	

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 ($T_A=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Ratings	Unit
Collector-Base Voltage	V_{CBO}	40	V
Collector-Emitter Voltage	V_{CEO}	30	V
Emitter-Base Voltage	V_{EBO}	6	V
Collector Current-Continuous	I_C	3	A
Collector Dissipation	P_C	1.25	W
Junction and Storage Temperature	T_J, T_{STG}	-55~150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	40	-	-	V	$I_C=100\mu\text{A}, I_E=0$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	30	-	-	V	$I_C=10\text{mA}, I_B=0$
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	6	-	-	V	$I_E=100\mu\text{A}, I_C=0$
Collector Cut-Off Current	I_{CBO}	-	-	1	μA	$V_{CB}=40\text{V}, I_E=0$
Collector Cut-Off Current	I_{CEO}	-	-	10	μA	$V_{CE}=30\text{V}, I_B=0$
Emitter Cut-Off Current	I_{EBO}	-	-	1	μA	$V_{EB}=6\text{V}, I_C=0$
DC Current Gain	h_{FE}	100	-	400		$V_{CE}=2\text{V}, I_C=1\text{A}$
		32	-	-		$V_{CE}=2\text{V}, I_C=100\text{mA}$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	-	-	0.5	V	$I_C=2\text{A}, I_B=200\text{mA}$
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	-	-	1.5	V	$I_C=2\text{A}, I_B=200\text{mA}$
Transition Frequency	f_T	-	50	-	MHz	$V_{CE}=5\text{V}, I_C=100\text{mA}, f=10\text{MHz}$

CHARACTERISTIC CURVES

