

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

FEATURES

- Low Speed Switching

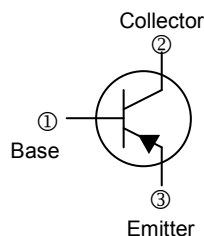
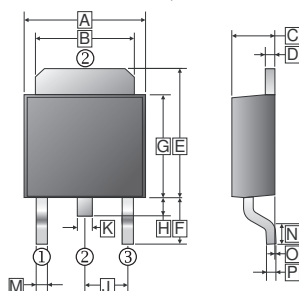
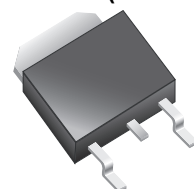
PACKAGE INFORMATION

Package	MPQ	Leader Size
TO-252	2.5K	13 inch

ORDER INFORMATION

Part Number	Type
CZD772M-Y	Lead (Pb)-free
CZD772M-Y-C	Lead (Pb)-free and Halogen-free

TO-252 (D-Pack)



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.3	6.9	J	2.3 REF.	
B	4.95	5.53	K	0.89 REF.	
C	2.1	2.5	M	0.45	1.14
D	0.4	0.9	N	1.55 Typ.	
E	6	7.7	O	0	0.15
F	2.90 REF.		P	0.58 REF.	
G	5.4	6.4			
H	0.6	1.2			

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

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V _{CBO}	-40	V
Collector to Emitter Voltage	V _{CEO}	-30	V
Emitter to Base Voltage	V _{EBO}	-6	V
Collector Current	I _C	-3	A
Total Power Dissipation	P _C	1.25	W
Thermal Resistance, junction to Ambient	R _{θJA}	100	°C / W
Junction and 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 Condition
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-40	-	-	V	I _C = -100μA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-30	-	-	V	I _C = -10mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-6	-	-	V	I _E = -100μA, I _C =0
Collector Cut-Off Current	I _{CBO}	-	-	-1	μA	V _{CB} = -40V, I _E =0
Collector Cut-Off Current	I _{CEO}	-	-	-10		V _{CE} = -30V, I _B =0
Emitter Cut-Off Current	I _{EBO}	-	-	-1	μA	V _{EB} = -6V, I _C =0
Collector-Emitter Saturation Voltage	V _{CE(sat)}	-	-	-0.5	V	I _C = -2A, I _B = -0.2A
Base-Emitter Saturation Voltage	V _{BE(sat)}	-	-	-1.5	V	I _C = -2A, I _B = -0.2A
DC Current Gain	h _{FE}	160	-	320		V _{CE} = -2V, I _C = -1A
Transition Frequency	f _T	50	80	-	MHZ	V _{CE} = -5V, I _C = -0.1A, f=10MHZ

CHARACTERISTIC CURVES

