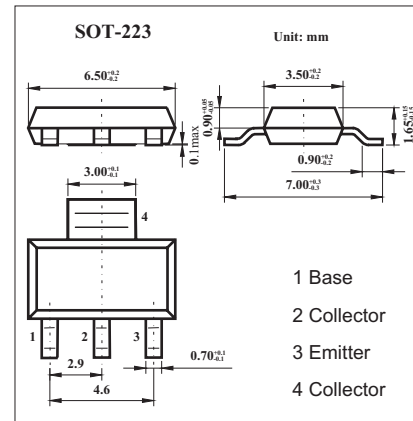


KZT3055(CZT3055)

■ **Features**

- High current (max. 6A).
- Low voltage (max. 60V).



■ **Absolute Maximum Ratings** Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector-base voltage	V _{CB0}	100	V
Collector - emitter votage	V _{CER}	70	V
Collector-emitter voltage	V _{CEO}	60	V
Emitter-base voltage	V _{EBO}	7	V
Collector current	I _c	6	A
Base current	I _B	3	A
power dissipation	P _D	2	W
Thermal resistance Junction-to-Ambient	R _{θ JA}	62.5	°C/W
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-65 to +150	°C

■ **Electrical Characteristics** Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector to emitter breakdown voltage	V _{CEO}	I _c =30mA	60			V
Collector to emitter breakdown voltage	V _{CER}	I _c =30mA, R _{BE} =100 Ω	70			V
Collctor cutoff current	I _{CEO}	V _{CE} =30V			700	μ A
	I _{CEV}	V _{CE} =100V, V _{EB} =1.5V			1.0	mA
Emitter cutoff current	I _{EBO}	V _{EB} = 7.0 V			5.0	m A
DC current gain	h _F E	I _c = 4.0A; V _{CE} =4.0 V	20		70	
		I _c = 6.0A; V _{CE} = 4.0V	5.0			
Collector to emitter saturation voltage	V _{CE(sat)}	I _c = 4.0A; I _B =400mA			1.1	V
Base to emitter ON voltage	V _{BE(on)}	V _{CE} =4.0V, I _c =4.0A			1.5	V
Transition frequency	f _T	I _c = 500mA; V _{CE} =10V; f = 1.0 MHz	2.5			MHz