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BUW58

Silicon NPN Transistors



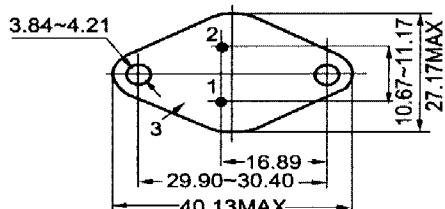
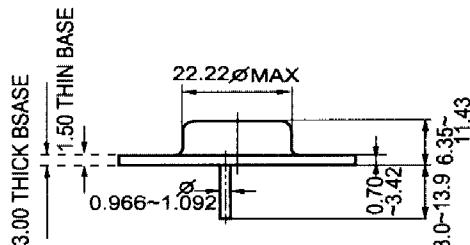
1B 2E 3C

◆ Features

- With TO-3 package

◆ Absolute Maximum Ratings Tc=25°C

SYMBOL	PARAMETER	RATING	UNIT
V _{CB}	Collector to base voltage	250	V
V _{CBO}	Collector to emitter voltage	160	V
V _{CER}	Emitter to base voltage		
V _{EB}	Emitter to base voltage	5.0	V
I _B	Base Current		
I _c	Collector current-Continuous	20	A
P _D	Total Power Dissipation@TC=25°C	120	W
T _j	Junction temperature	200	°C
T _{stg}	Storage temperature	-65~200	°C



TO-3

◆ Electrical Characteristics Tc=25°C

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V _{CBO}	Collector-Emitter Sustaining Voltage	I _c =100mA; I _b =0	160			V
V _{CER}	Collector-Emitter Sustaining Voltage					
I _{CEO}	Collector Cutoff Current	V _{CE} =160V; I _b =0			0.5	mA
I _{CEX}	Collector Cutoff Current					
I _{CBO}	Collector-emitter breakdown voltage	V _{CB} =250V; I _e =0			0.1	mA
V _{EBO}	Emitter Cutoff Current	I _e =1mA; I _c =0	5			V
V _{CE(sat-1)}	Collector-emitter saturation voltages	I _c =6.0A; I _b =0.6A			0.6	V
V _{CE(sat-2)}	Collector-emitter saturation voltages					
V _{CE(sat-3)}	Collector-emitter saturation voltages					
V _{CE(sat-4)}	Collector-emitter saturation voltages					
h _{FE-1}	Forward current transfer ratio	I _c =15A; V _{CE} =1.5V	10			
h _{FE-2}	Forward current transfer ratio					
V _{BE(on)}	Base-emitter On voltages					
f _T	Current Gain-Bandwidth Product	I _c =0.5A; V _{CE} =10V		15		MHz

