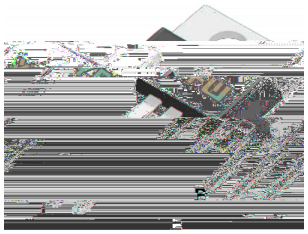
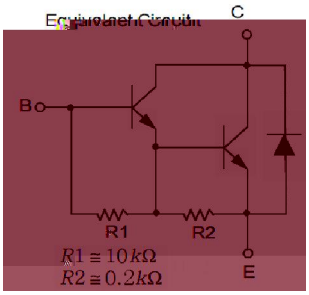
NPN Plastic-Encapsulate Transistors

Description





TO-220AB

Features

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Absolute Maximum Ratings (Ta=25)

Collector-Base Voltage		BV_{CBO}	100	V
Collector-Emitter Voltage		BV_{CEO}	100	V
Emitter-Base Voltage		BV_{EBO}	5	V
Collector Current (DC)		I_C	8	A
Collector Current (Pulse)		I_{CP}	12	A
Base Current		I_B	150	mA
Collector Dissipation	Ta =25	P_C	2	W
	Tc =25		62.5	
Junction Temperature		T_j	150	
Storage Temperature		T_{stg}	-55～150	
Thermal Resistance junction to case		$R_{\theta JC}$	2	℃/W
Thermal Resistance junction to Ambient		$R_{\theta JA}$	80	℃/W

Typical Characteristics

Marking Diagram

Ordering information

Model name	Package	Unit Weight
BD649		