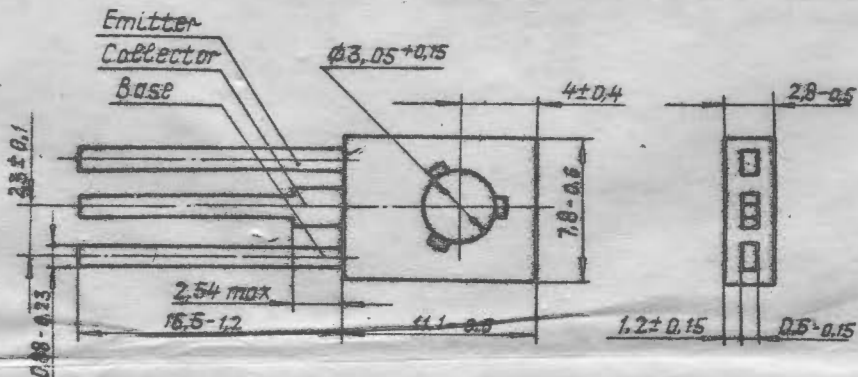


L A B E L

PNP BD136, BD138, BD140

PLASTIC MEDIUM POWER SILICON TRANSISTORS



Case TO-1826

MAXIMUM RATINGS Rating	Symbol	BD136	BD138	BD140	Unit
Collector-Emitter Voltage	V _{ceo}	45	60	80	V
Collector-Base Voltage	V _{cbo}	45	60	100	V
Emitter-Base Voltage	V _{eb}	—	5	—	V
Collector Current-Continuous	I _c	—	1,5	—	A
Base Current	I _b	—	0,5	—	A
Total Device Dissipation @ T _c =25°C	P _d	—	12,5	—	Watts
Junction Temperature	T _j	—	150	—	°C

ELECTRICAL CHARACTERISTICS (Tc=25°C)

Characteristic	Symbol	Min	Max	Unit	
Collector-Emitter Sustaining Voltage (Ic= 30mA, Ib=0)	Vce(sus)			V	
		BD136	45		-
		BD138	60		-
		BD140	80		-
Collector Cutoff Current (Vcb=30V, Ie=0)	Icbo	-	0,1	µA	
Emitter Cutoff Current (Vbe=5V, Ic=0)	Iebo	-	10	µA	
DC Current Gain (Ic= 5mA, Vce=2V) (Ic=150mA, Vce=2V) (Ic=0,5A, Vce=2V)	hFE		25	-	
		BDxxx	40	250	
		BDxxx-06	40	100	
		BDxxx-10	63	160	
		BDxxx-16	100	250	
			25	-	
Collector-Emitter Saturation Voltage (Ic=0,5A, Ib=50mA)	Vce(sat)	-	0,5	V	
Base-Emitter ON Voltage (Ic=0,5A, Vce=2V)	Vbe(on)	-	1	V	