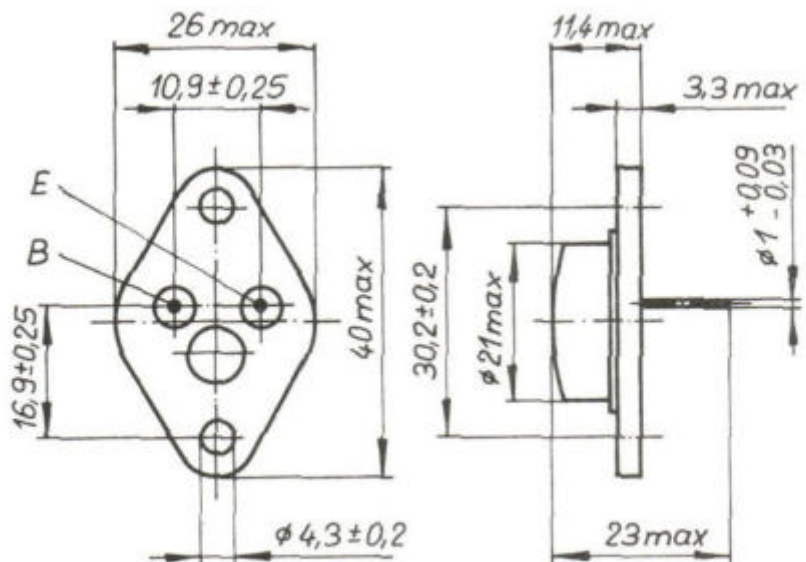


BU 921 $\leq$ 50 1M

Si-npn-darlingtontransistor for electronic ignition-systems

Dimension in mm and terminals
weight c 22 g
Collector at case



Maximum ratings, valid at a range of ambient temperatures

Collector-base-voltage $I_E = 0$	U_{CBO}	450 V
Collector-emitter-voltage $I_B = 0$	U_{CEO}	400 V
Collector current	I_C	10 A
Peak collector current	I_{CM}	15 A
Total power dissipation $\vartheta_C \leq 25^\circ\text{C}$	P_{tot}	120 W
Junction temperature	ϑ_j	175 $^\circ\text{C}$
Ambient temperature	ϑ_a	125 $^\circ\text{C}$

Characteristics, at $v_C = 25^{\circ}\text{C}$

Collector-emitter cut-off current
 $U_{BE} = -2\text{ V}$, $U_{CE} = 450\text{ V}$

I_{CEX} min max
1,0 mA

Collector-emitter breakdown voltage
 $I_C = 0,1\text{ A}$

$U_{(BR)CEO}$ 400 V

Collector-emitter saturation voltage
 $I_C = 7\text{ A}$, $I_B = 0,14\text{ A}$

U_{CEsat} 1,8 V

Base-emitter saturation voltage
 $I_C = 7\text{ A}$, $I_B = 0,14\text{ A}$

U_{BEsat} 2,5 V

Forward voltage of the free-wheel-diode
 $I_{FM} = 7\text{ A}$

U_{FM} 3,0

Denotation for ordering: transistor BU 921

Alternation reserved !



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