

/ Descriptions

TO-126(R) NPN Silicon NPN transistor in a TO-126(R) Plastic Package.

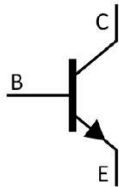
/ Features

High voltage.

/ Applications

High voltage switching and humidifier.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

See Marking Instructions.

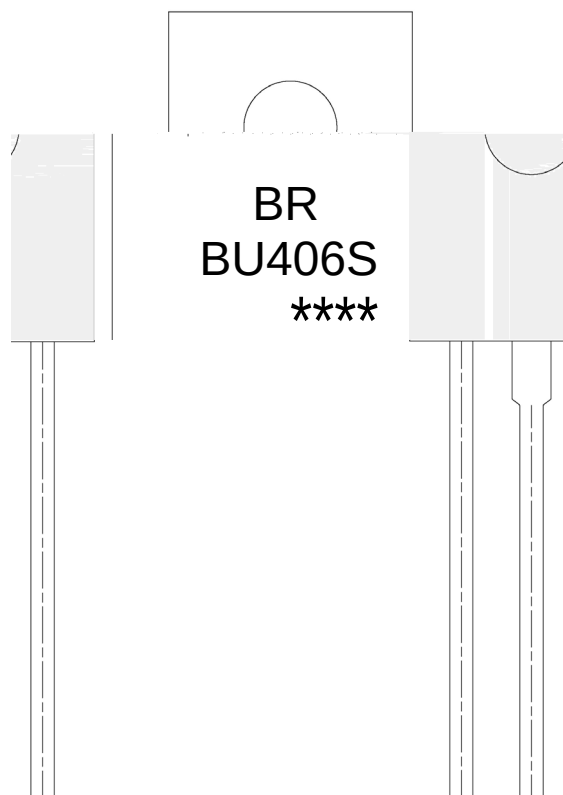
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	200	V
Collector to Emitter Voltage	V_{CEO}	120	V
Emitter to Base Voltage	V_{EBO}	6.0	V
Collector Current - Continuous	I_C	7.0	A
Peak Collector Current	I_{Cp}	10	A
Base Current	I_B	2.0	A
Collector Power Dissipation	P_C	1.5	W
Collector Power Dissipation	$P_C(T_C=25^\circ\text{C})$	20	W
Junction Temperature	T_J	150	
Storage Temperature Range	T_{stg}	-55 ~ 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	$I_{CES(1)}$	$V_{CE}=200V$ $V_{BE}=0$			100	A
	$I_{CES(2)}$	$V_{CE}=150V$ $V_{BE}=0$		11)	50	A
	$I_{CES(3)}$	$V_{CE}=150V$ $V_{BE}=0$ T_T T_T				

/ Electrical Characteristic Curve



/ Marking Instructions



BR

BU406S

Note:

BR: Company Code

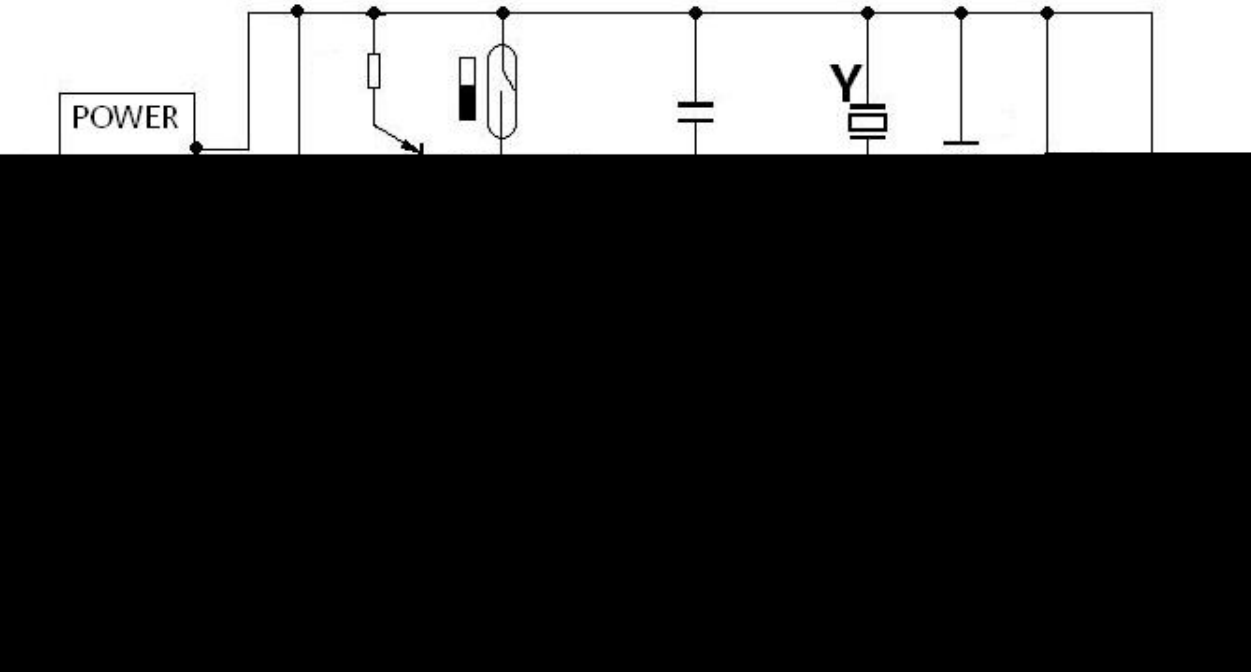
BU406S: Product Type.

****: Lot No. Code, code change with Lot No.

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/ Notices

3MHZ



- 1

2

3

4
- ≤3.0MHZ

≤40V

≤45W

HFE 60-70,70-80,80-90

- 1

2
- HFE

HFE
- HFE 60-70 70-80 80-90

- 1

2
- Y

- 3

3.1

3.2

3.3

3.4

3.5
- ≤5kgf.cm

PCB