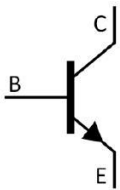


Rev. H Oct.-2018

TO-220 NPN Silicon NPN transistor in a TO-220 Plastic Package.

High voltage switching transistor.

Switching regulator and general purpose.

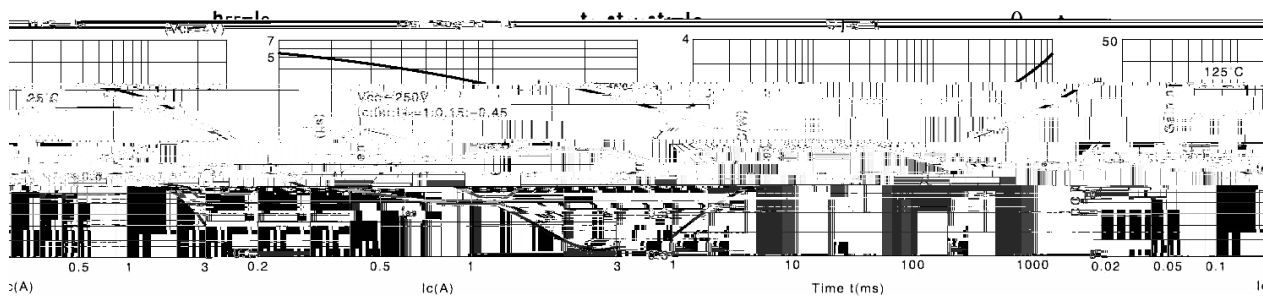
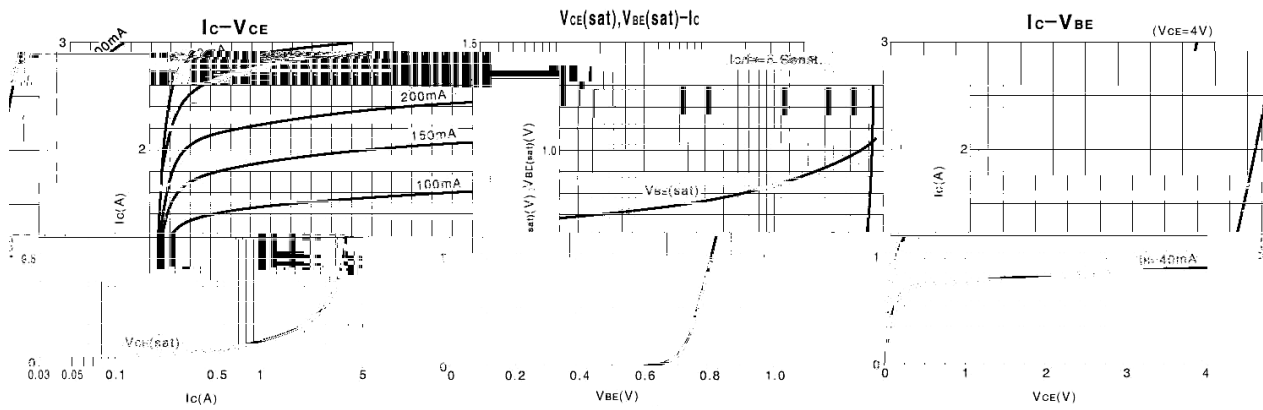


PIN1 Base PIN 2 Collector PIN 3 Emitter

See Marking Instructions.

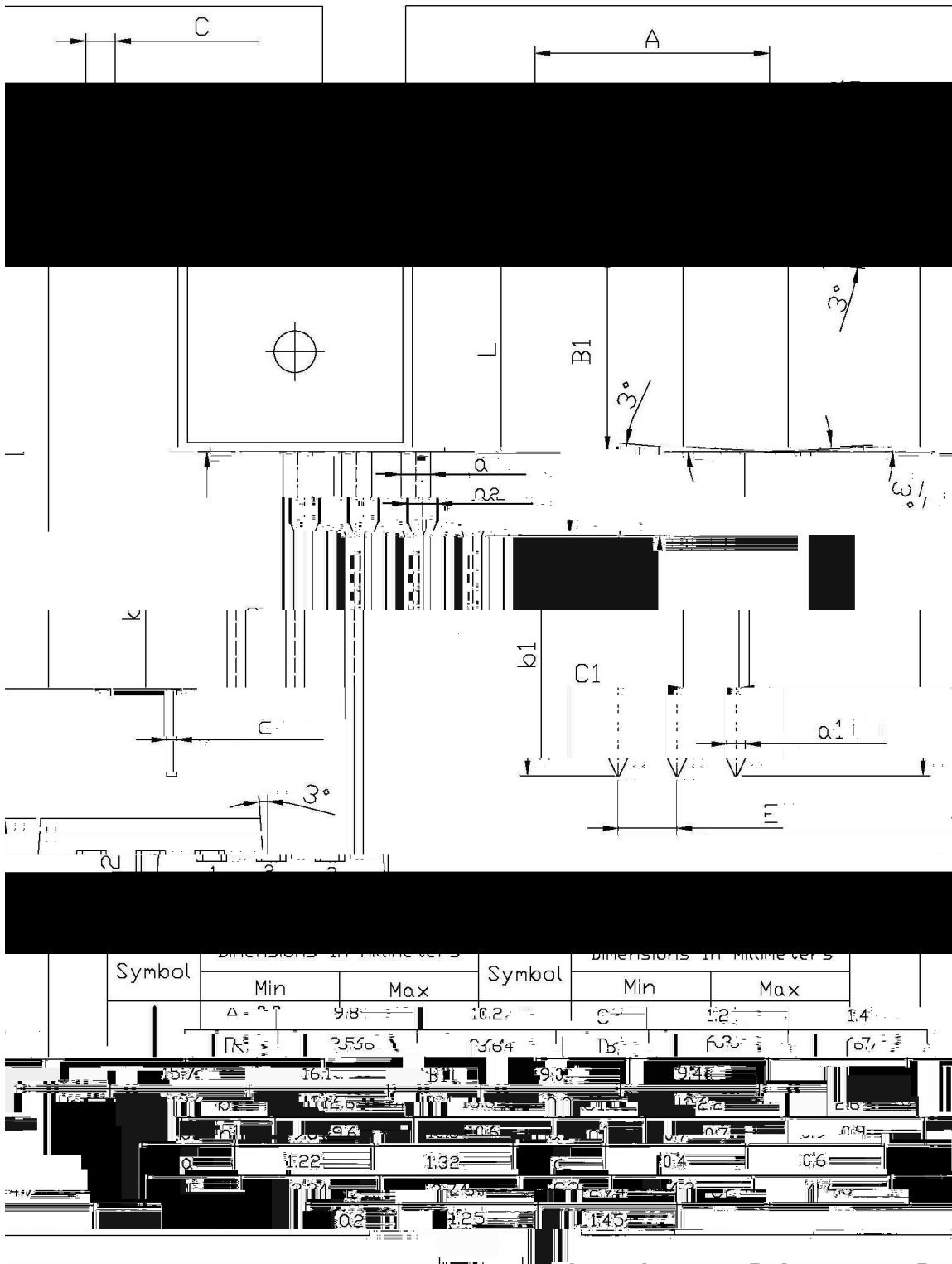
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	900	V
Collector to Emitter Voltage	V_{CEO}	550	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current - Continuous	I_C	3.0	A
Base Current - Continuous	I_B	1.5	A
Collector Power Dissipation	P_C	30	W
Junction Temperature	T_J	150	
Storage Temperature Range	T_{stg}	-55~150	

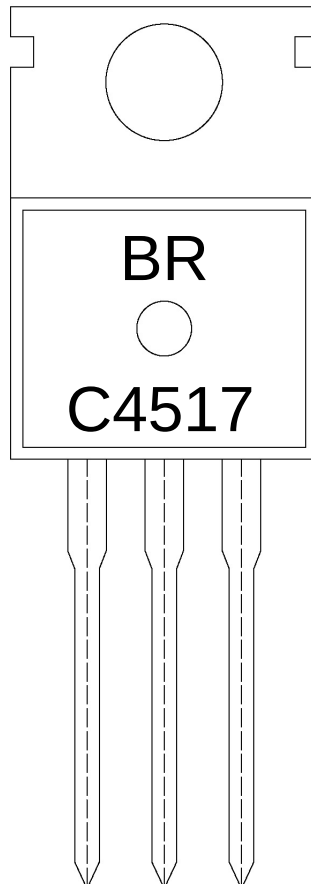
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	$V_{CB}=800V$ $I_E=0$			100	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=7.0V$ $I_C=0$			100	μA
Collector to Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=10mA$ $I_B=0$	550			V
DC Current Gain	h_{FE}	$V_{CE}=4.0V$ $I_C=1.0A$	10		30	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=1.0A$ $I_B=0.2A$			0.5	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=1.0A$ $I_B=0.2A$			1.2	V
Transition Frequency	f_T	$V_{CE}=12V$ $I_E=-0.25A$		6		MHz
Collector output capacitance	C_{ob}	$V_{CB}=10V$ $f=1.0MHz$		35		pF



单位: mm

TO-220





BR

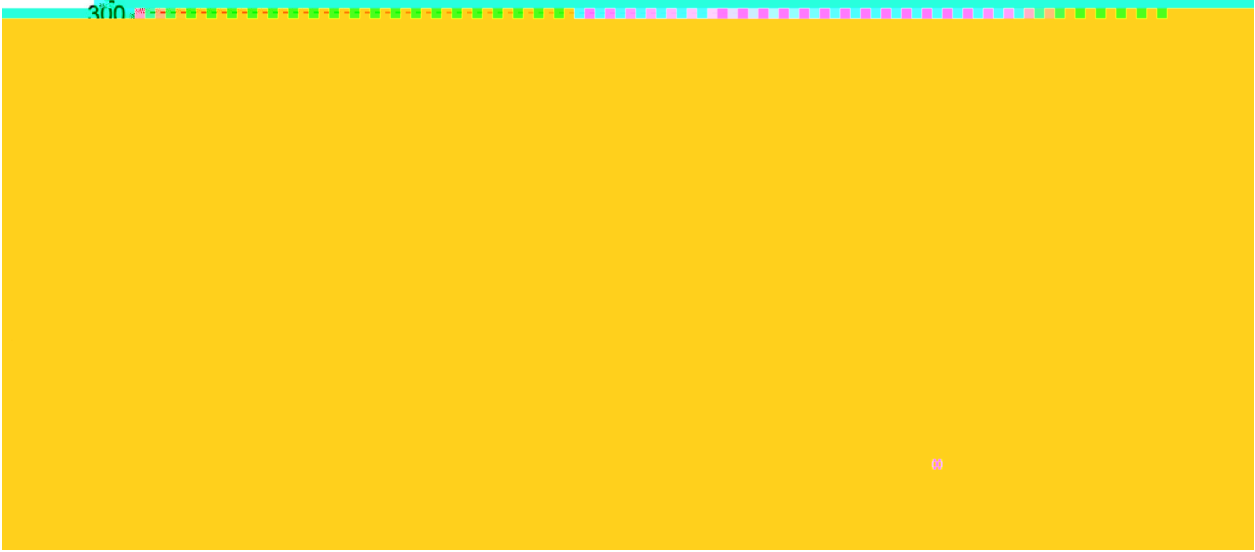
C4517

Note:

BR: Company Code

C4517: Product Type.

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



- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10

/sec.
- Note:

1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

270±5

10±1 sec.

Temp.:270±5

Time:10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 袋	袋 盒	只 盒	盒 箱	只 箱	袋	盒	箱

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 套管	套管 盒	只 盒	盒 箱	只 箱	套管	盒	箱