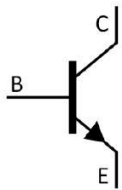
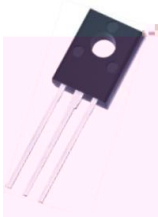


TO-126F NPN Silicon NPN transistor in a TO-126F Plastic Package.

BD439
Complementary pair with BD439.

Medium power linear and switching applications.

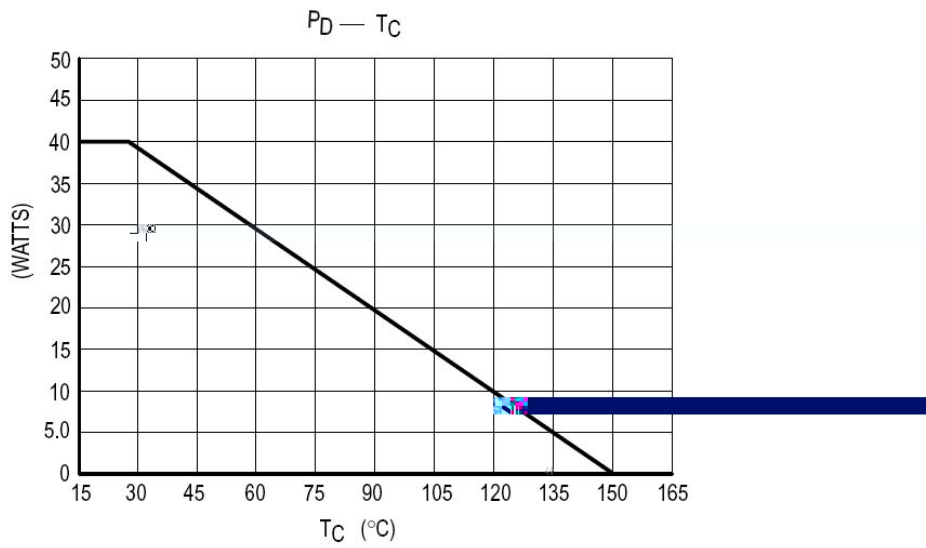
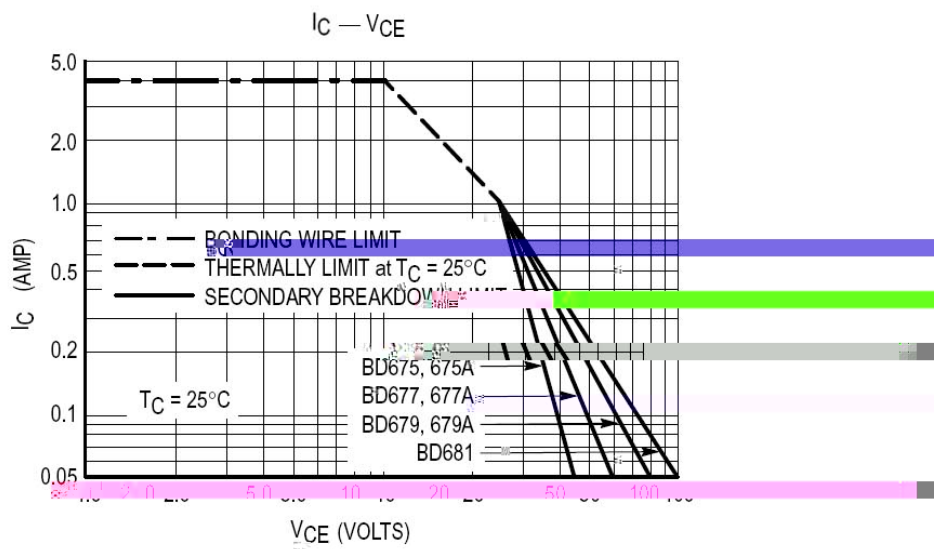


PIN1 Emitter PIN 2 Collector PIN 3 Base

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	45	V
Collector to Emitter Voltage	V_{CEO}	45	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	4.0	A
Base Current - Continuous	I_B	0.1	A
Collector Power Dissipation	P_C	40	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=50mA$ $I_B=0$	45			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=\text{Rated } BV_{CEO}$ $I_E=0$			0.2	mA
Collector Cut-Off Current	I_{CEO}	$V_{CE}=\text{Half Rated } V_{CEO}$ $I_B=0$			500	μA
Emitter Cut-Off Current	I_{EBO}	$V_{BE}=5.0V$ $I_C=0$			2.0	mA
DC Current Gain	h_{FE}	$V_{CE}=3.0V$ $I_C=1.5A$	750			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=2.0A$ $I_B=40mA$			2.8	V
Base to Emitter On Voltage	$V_{BE(on)}$	$I_C=2.0A$ $V_{CE}=3.0V$			2.5	V



單位： 門 門



Symmetrical				Asymmetrical			
Max				Min	Max	Min	
0.96				4	7.8	8.2	0.66
0.8				10.8	11.2		0.4



BR

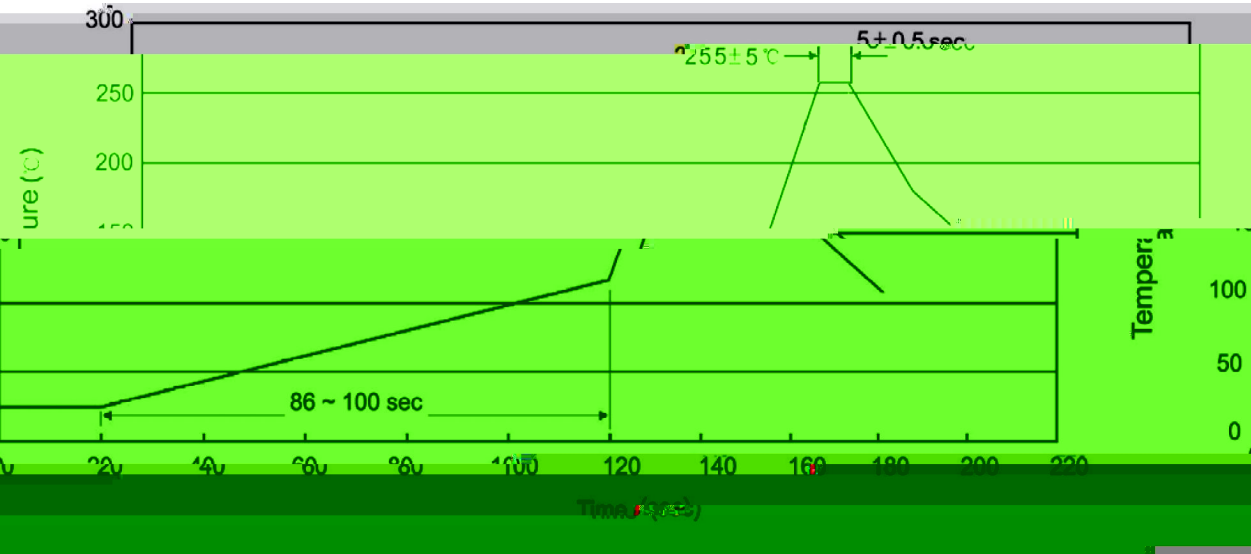
BD675

Note:

BR: Company Code

BD675: Product Type.

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



Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10 /sec.
- 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	Units					Dimension (unit mm ³)		
	Units/Tube	Tubes/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Tube	Inner Box	Outer Box
TO-126/F	500	6	3,000	5	15,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube	Tubes/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Tube	Inner Box	Outer Box
TO-126/F	65	26	1,690	5	8,450	532×31×5.6	555×164×50	575×290×180