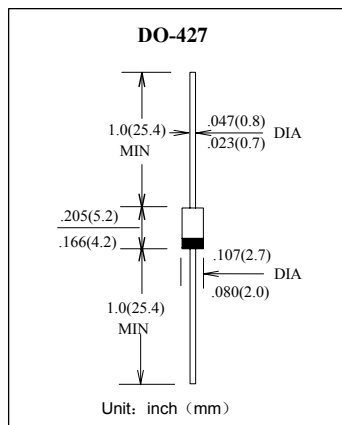




# DB6

## 双向触发二极管

## SILICON BIDIRECTIONAL DIAC



### Features

- Low reverse leakage
- High forward surge capability
- High temperature soldering guaranteed:  
21 €  
250°C/10 seconds, 0.375" (9.5mm) lead length,
- 5 lbs. (2.3kg) tension

### Mechanical Data

- Terminals: Plated axial leads
- Polarity: Color band denotes cathode end
- Mounting Position: Any

### ABSOLUTE RATINGS ( LIMITING VALUES )

Symbols	Parameters		Value	Units
			DB6	
$P_c$	Power Dissipation on Printed Circuit [ L=10mm ]	$T_A=50^\circ\text{C}$	150	mW
$I_{TRM}$	Repetitive Peak on-state Current	$t_p=10\mu\text{s}$ $F=100\text{Hz}$	2.0	A
$T_{STG}/T_J$	Storage and 0 perating Junction Temperature		-40 to +125 / -40 to 110	$^\circ\text{C}$

### ELECTRICAL CHARACTERISTICS

Symbols	Parameters	Test Conditions	Value	Units	
			DB6		
$V_{BO}$	Breakover Voltage [Note 2 ]	$C=22\text{nF}$ [Note 2 ] See Diagram 1	Min Typ Max	56 60 70	V
$I + V_{BO}$ $I - V_{BO}$	Breakover Voltage Symmetry	$C=22\text{nF}$ [Note 2 ] See Diagram 1	Max	$\pm 5$	V
$I \pm \Delta V$	Dynamic Breakover Voltage [Note 1 ]	$\Delta I=[ I_{BO} \text{ to } I_F=10\text{mA}]$ See Diagram 1	Min	10	V
$V_o$	Output Voltage [Note 1 ]	See Diagram 2	Min	5	V
$I_{BO}$	Breakover Current [Note 1 ]	$C=22\text{nF}$ [Note 2 ]	Max	100	$\mu\text{A}$
$t_r$	Rise Time [Note 1 ]	See Diagram 3	Typ	1.5	$\mu\text{s}$
$I_B$	Leakage Current [Note 1 ]	$V_{BBO}=0.5\text{V max}$ See Diagram 1	Max	10	$\mu\text{A}$

Notes:1.Electrical characteristics applicable in both forward and reverse directions.

2.Connected in parallel with the devices.

DIAGRAM 1: Current-voltage characteristics

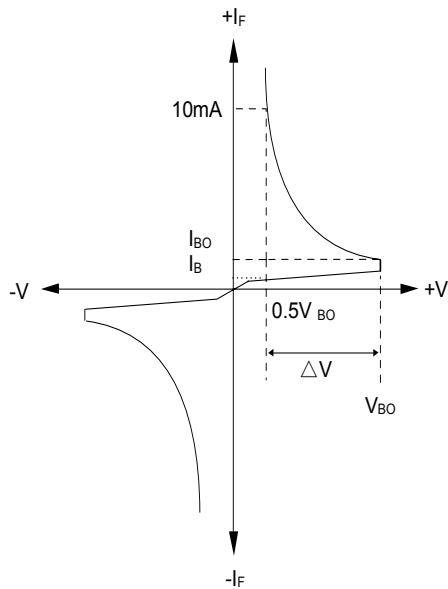


FIG.1-Power dissipation versus ambient temperature ( maximum values )

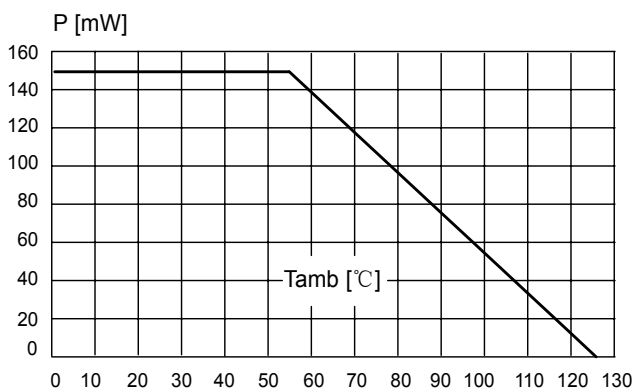


FIG.3-Peck pulse current versus pluse duration ( maximum values )

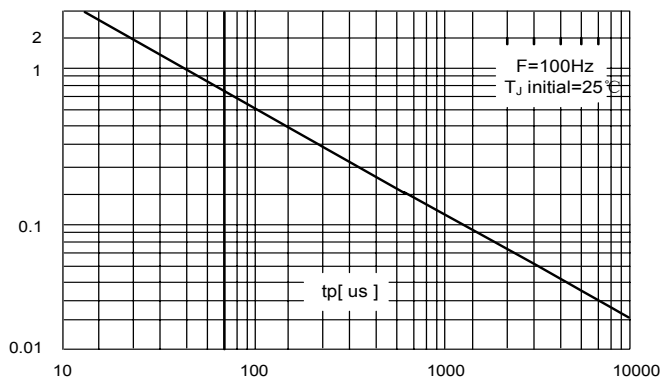


DIAGRAM 2: Test circuit for output voltage

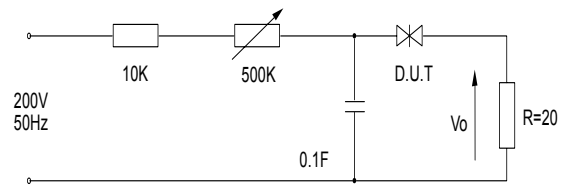


DIAGRAM 3: Test circuit see diagram 2 adjust R for I<sub>p</sub> = 0.5A

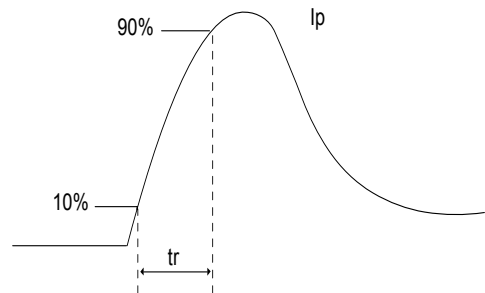


FIG.2-Relative variation of VBO versus junction temperature ( typical values )

