September 2010



DB3-DB3TG 150mW Bi-directional Trigger Diodes

Features

- V_{BO} : 32V Version
- Low break-over current
- DO-35 package (JEDEC)
- Hermetically sealed glass
- Compression bonded construction
- All external surfaces are corrosion resistant and terminals are readily solderable
- RoHS compliant
- High reliability glass passivation insuring parameter stability and protection against junction contamination.
- Terminal: Pure tin plated, lead free, solderable per MIL-STD-202, Method 208 guaranteed
- High temperature soldering guaranteed : 260°C/10 seconds



Absolute Maximum Ratings and Electrical Characteristics

Sumbol	Devemeter		Value		Unite
Symbol	Parameter	DB3	DB3TG	Units	
V _{BO}	Break-over Voltage @ C=22nF	Min.	28	30	V
		Тур.	32	32	V
		Max.	36	34	V
$\pm V_{BO}$	Break-over Voltage Symmetry @ C=22nF	Max.	±3	±2	V
I _{BO}	Break-over Current @ C=22nF	Max.	100	15	μΑ
ΔV	Dynamic Break-over Voltage @ I _{BO} to I _F =10mA	Min.	5	9	V
I _B	Leakage Current @ V _B =0.5V _{BO} (Max.)	Max.	10		μΑ
V _O	Output Voltage *see diagram 1	Min.	5		V
PD	Power Dissipation			150	
I _{FRM}	Repetitive Peak Forward Current, Pulse Width=2	2		А	
$R_{ heta ja}$	Typical Thermal Resistance, Junction to Ambient (400		°C/W	
T _{J.} T _{STG}	Junction and Storage Temperature Range	-40 to +125		°C	

* Rating at 25°C ambient temperature unless otherwise specified.

* Notes: 1. Valid provided that electrodes are kept at ambient temperature



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