# DB3-DB3TG 150mW Bi-directional Trigger Diodes

## Features

- V<sub>BO</sub> : 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



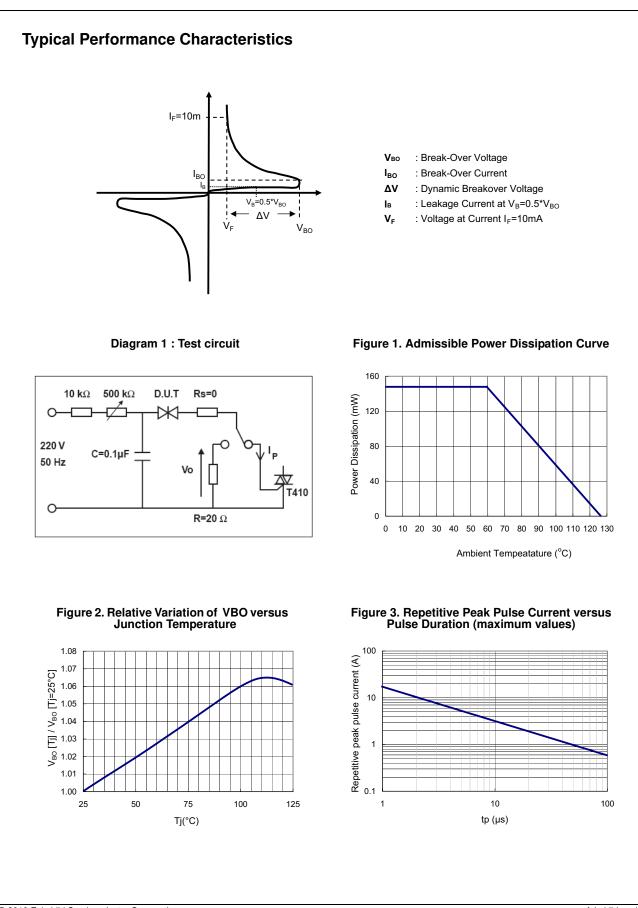
# Absolute Maximum Ratings and Electrical Characteristics

Symbol	Parameter			Value		Unito
Symbol				DB3	DB3TG	Units
V <sub>BO</sub>	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 <sub>BO</sub>	Break-over Current	@ C=22nF	Max.	100	15	μA
ΔV	Dynamic Break-over Voltage @	I <sub>BO</sub> to I <sub>F</sub> =10mA	Min.	5	9	V
I <sub>B</sub>	Leakage Current @ V <sub>B</sub> =0.5V <sub>BO</sub> (Max.) Max.		10		μA	
Vo	Output Voltage *see diagram 1 Min. 5				5	V
PD	Power Dissipation			150		mW
I <sub>FRM</sub>	Repetitive Peak Forward Current, Pulse Width=20µsec			2		А
$R_{ heta ja}$	Typical Thermal Resistance, Junction to Ambient (Note1)			400		°C/W
T <sub>J,</sub> T <sub>STG</sub>	Junction and Storage Temperature Range			-40 to +125		°C

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

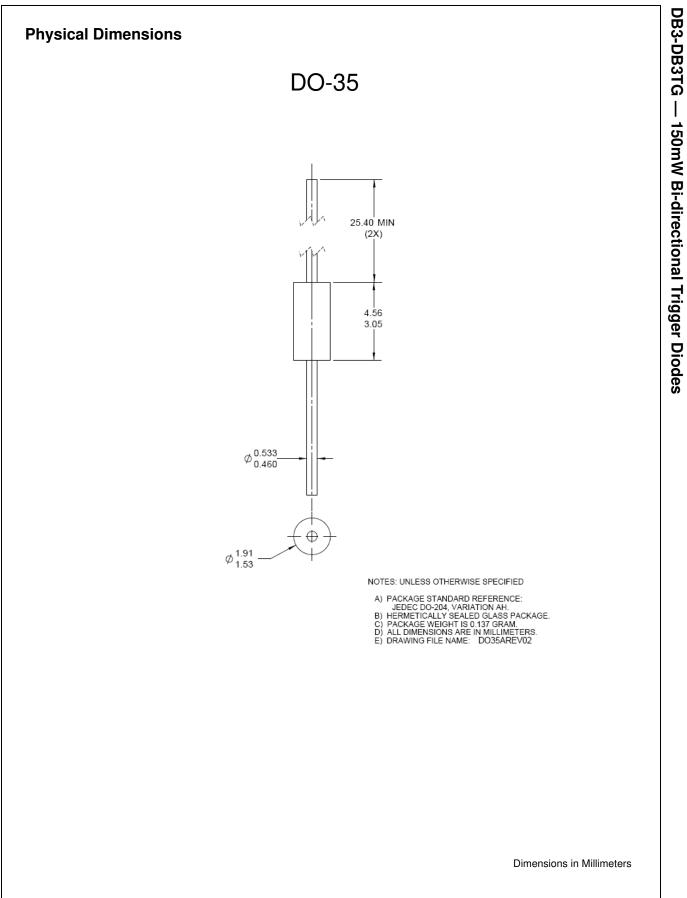
\* Notes: 1. Valid provided that electrodes are kept at ambient temperature

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