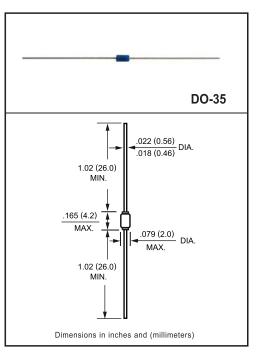


TRIGGER DIODES

DB3

FEATURES Ybo: 32V/34V/40V VERSIONS Low Breakover Current DESCRIPTION High reliability glass passivation insuring parameter stability and protection against junction contamination



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

RATING	SYMBOL	VALUE	UNITS
Repetitive Peak On-State Current tp=20uA,F=100Hz	ITRM	2	А
Power Dissipation (@ T _A =50°C)	ь	150	mW
Derate Above +50°C		4.0	mW/⁰C
Storage Temperature Range	T _{STG}	-40 to + 125	°C
Junction Temperature	Tj	125	°C

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

SYMBOL	VALUE				UNITS
	DB3-1		DB3-2		
V _{BO}	Min	Max	Min	Max	Volts
	30	34	28	36	
delta V _{BO}	+/-2				
delta V+/-	5				Volts
Vo	5				Volts
IBO	25 100		00	uA	
tr	1.5				uS
Ι _Β	10				uA
	VBO delta VBO delta V+/- VO IBO tr	VBO Min 30	SYMBOL DB3-1 VBO Min Max 30 34 +/ Idelta VBO +/ +/ Idelta V+/- - - VO - - IBO 25 - tr - -	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	SYMBOL DB3-1 DB3-2 V _{BO} Min Max Min Max 30 34 28 36 edita V _{BO} +/-2

NOTES: 1. *Electrical characteristic applicable in both forward and reverse derections.

2.**Connected in parallel with the devices.

3. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

2007-3

RATING AND CHARACTERISTICS CURVES (DB3)

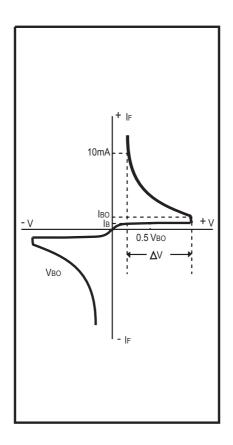


FIG.1 Current-voltage characteristics

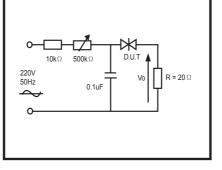


FIG.2 Test circuit for output voltage

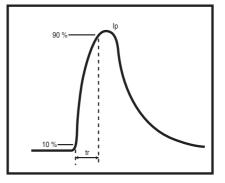
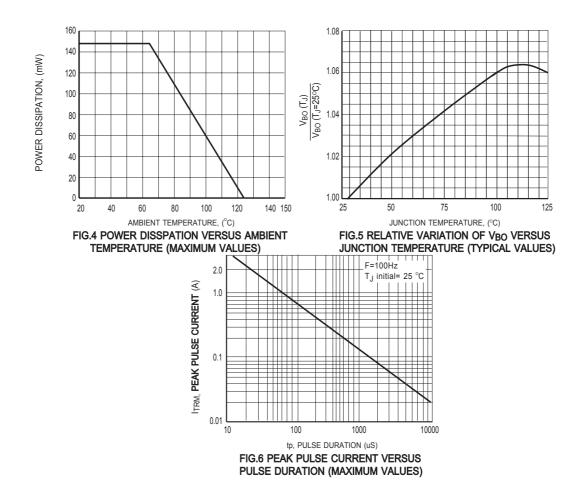


FIG.3 Test circuit see Fig.2 Adjust R for Ip=0.5A







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