

TRIGGER DIODES

DB3

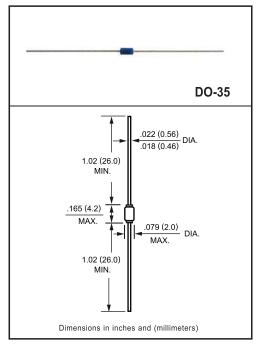
FEATURES

* VBO: 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.



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

For capacitive load, derate current by 20%.

DATING			
RATING	SYMBOL	VALUE	UNITS
Repetitive Peak On-State Current tp=20uA,F=100Hz	I _{TRM}	2	А
Power Dissipation (@ T _A =50°C)	р	150	mW
Derate Above +50°C		4.0	mW/°C
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		
VPO	Min	Max	Min	Max	Volts
. 90	30	34	28	36	0113
delta V _{BO}	+/-2				
delta V+/-	5				Volts
Vo	5				Volts
IBO	25 100		00	uA	
tr	1.5				uS
l _Β	10				uA
	V _{BO} delta V _{BO} delta V+/- V _O BO t _r	DB3 DB3 VB0 Min 30 30 delta VB0 Idelta VH/I V0 Idelta VH/I IB0 22 tr Idelta VH/I	SYMBOL DB3-1 VBO Min Max 30 34 4 delta VBO +/ +/ delta V+/- +/ +/ Vo	SYMBOL DB3-1 DB3 VBO Min Max Min 30 34 28 delta VBO +/-2 delta V+/- 5 VO 5 IBO 25 1 tr 1.5	SYMBOL DB3-1 DB3-2 VBO Min Max Min Max 30 34 28 36 delta VBO +/-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)

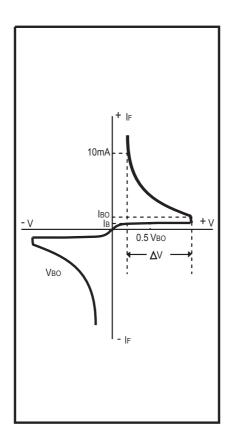


FIG.1 Current-voltage characteristics

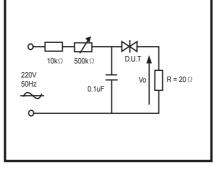


FIG.2 Test circuit for output voltage

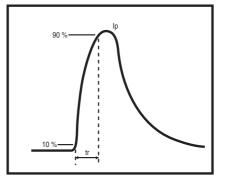
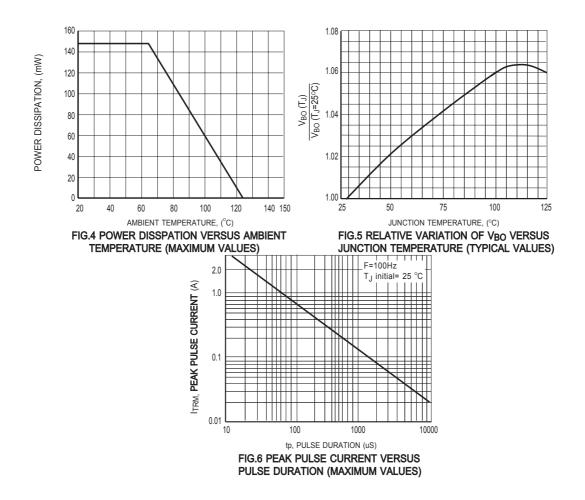


FIG.3 Test circuit see Fig.2 Adjust R for Ip=0.5A









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