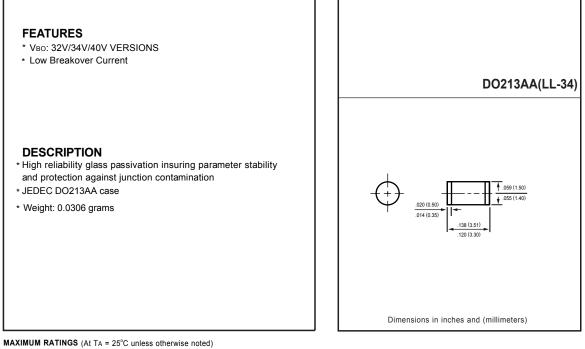
## DB3S

#### TRIGGER DIODES



RATING	SYMBOL	VALUE	UNITS
Repetitive Peak On-State Current tp=20uA,F=100Hz	ITRM	2	Α
Power Dissipation (@ T <sub>A</sub> =50°C)	Р	150	mW
Derate Above +50°C	F	4.0	mW/°C
Storage Temperature Range	T <sub>STG</sub>	-40 to + 125	°C
Junction Temperature	TJ	125	°C

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

RATING	SYMBOL	VALUE				UNITS
		DB3S-1		DB3S-2		
Breakover Voltage(Forward and Reverse)	VBO	Min	Max	Min	Max	Volts
at IBO,C=22nF**	• 60	30	34	28	36	Volta
Maximum Breakover Voltage Symmetry delta V_Bo= +VBO - -VBO  C=22nF	delta V <sub>BO</sub>	+/-2				
Minimum Dynamic Breakover Voltage delta I=IB0 to IF=10mA (see Fig3)	delta V+/-	5				
Minimum Output Voltage* (see Fig 2)	Vo	5				
Peak Breakover Current at Breakorver Voltage* C=22nF**	IBO	25 100			00	uA
Rise Time* (see Fig3)	tr	1.5				
Leakage Current* VB=0.5VBO max (see Fig1)	IB	10				uA
TES: 1 *Electrical characteristic annicable in both forward and reverse derections						

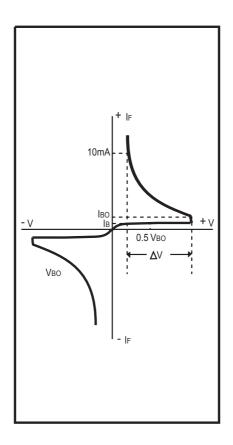
NOTES: 1. \*Electrical characteristic applicable in both forward and reverse derections.

2.\*\*Connected in parallel with the devices.

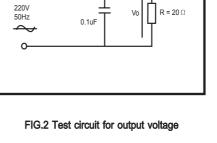
3. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

2009-03 REV: 0

## **RATING AND CHARACTERISTICS CURVES (DB3S)**







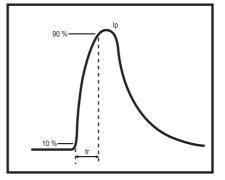
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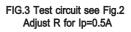
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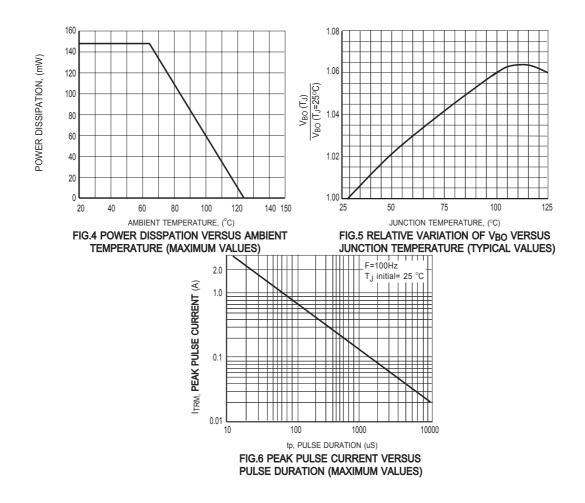
10kΩ 500kΩ

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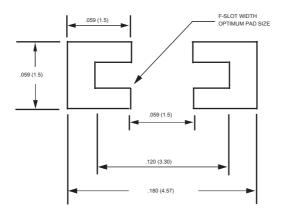








# Mounting Pad Layout (LL-34)



Dimensions in inches and (millimeters)

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