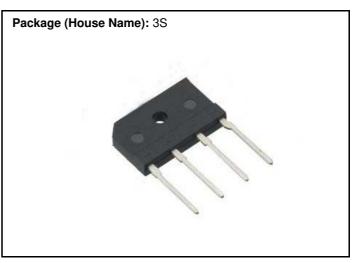
# D4SBS6

Bridge Diodes 60V, 4A

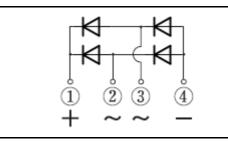
## Feature

- Compact SIP
- SBD Bridge
- High Recovery Speed
- $\bullet \ Low \ V_F$
- Pb free terminal
- RoHS:Yes

## OUTLINE



# Equivalent circuit



## Absolute Maximum Ratings (unless otherwise specified : Tc=25°C)

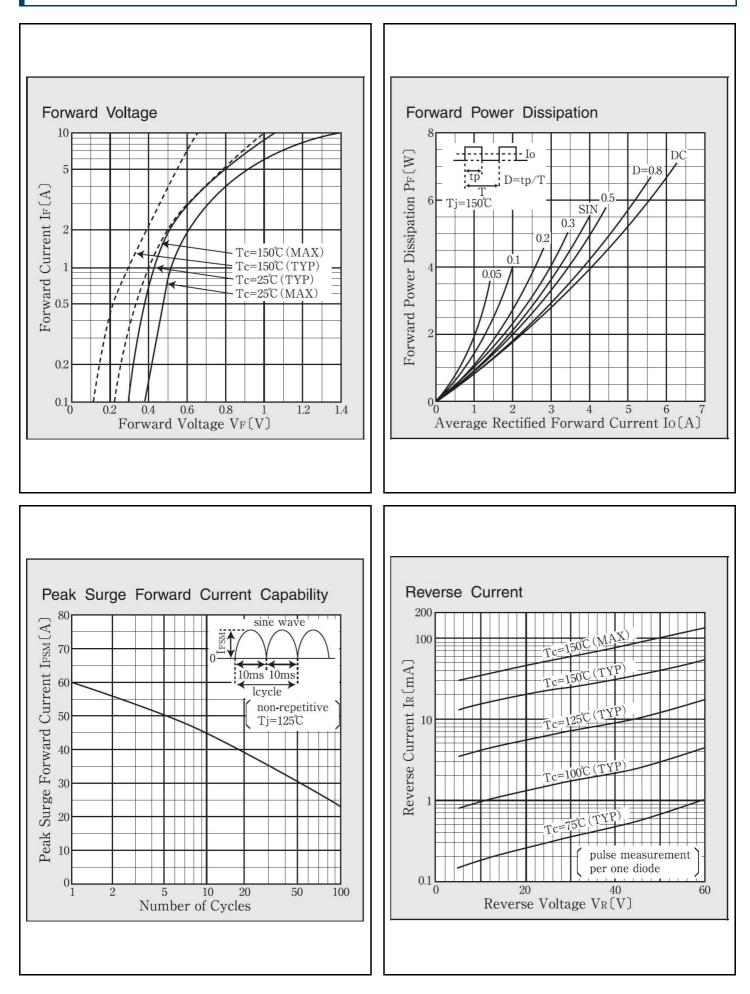
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	V <sub>RRM</sub>		60	V
Non-repetitive peak reverse voltage	V <sub>RSM</sub>	Pulse width 0.5ms, Duty 1/40	65	v
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=114°C	4	А
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, Without heatsink, Ta=46°C	2.3	А
Surge forward current	I <sub>FSM</sub>	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	60	А
Repetitive peak surge reverse power	P <sub>RRSM</sub>	Pulse width 10µs, per diode, Tj=25°C	330	w
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N∙m

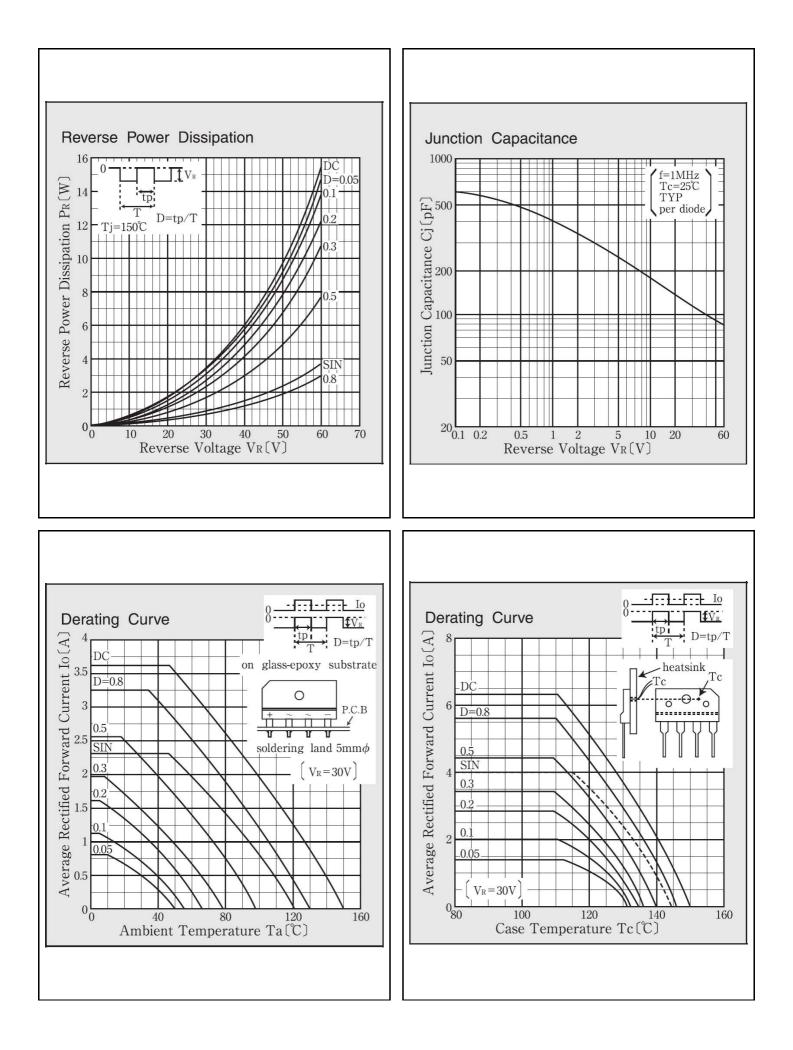
\* : See the original Specifications

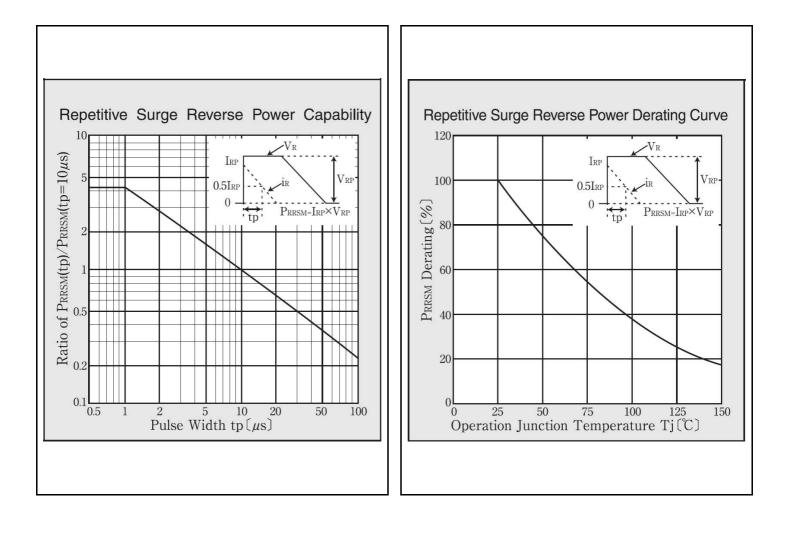
Electrical Characteristics (unless otherwise specified : Tc=25°C)								
ltem	Symbol	Conditions		Ratings				
	Symbol		MIN	ТҮР	MAX	Unit		
Forward voltage	V <sub>F</sub>	IF=2A, Pulse measurement, per diode			0.62	V		
Reverse current	I <sub>R</sub>	VR=60V, Pulse measurement, per diode			2000	μA		
Total capacitance	Ct	f=1MHz, VR=10V, per diode		180		pF		
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			5.5	°C/W		
Thermal resistance	Rth(j-l)	Junction to lead, Without heatsink			6	°C/W		
Thermal resistance	Rth(j-a)	Junction to ambient, Without heatsink			30	°C/W		

\* : See the original Specifications

# **CHARACTERISTIC DIAGRAMS**

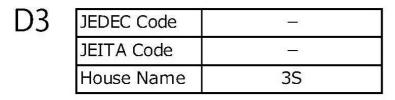


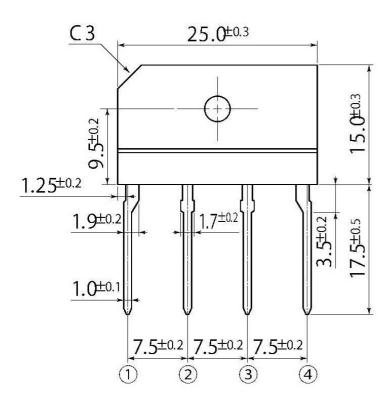


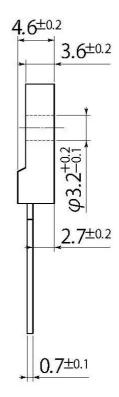


unit:mm

scale: 2/1







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#### [Specific applications]

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