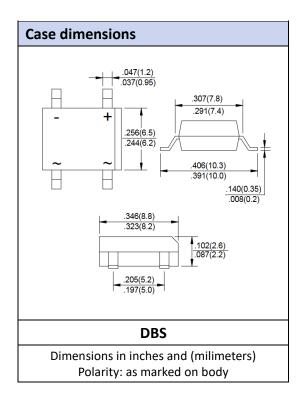


SMD Glass Passivated Bridge Rectifiers

Primary characteristics				
Parameter	Value	Unit		
V _R reverse voltage range nom.	100 ~ 1000	V		
I _F forward current	1.5	А		

Features

- DBS case for easy automatic insertion
- Pb-Free and RoHS Compliant
- Rating to 1000V peak reverse voltage
- Low forward voltage drop, high current capability
- Terminals solderable per MIL-STD-202, Method 208
- Approx. weight: 0.4g / 0.02oz



Part numbering system					
DB15	4	S			
\downarrow	\downarrow	\downarrow			
Series code	Peak Reverse Voltage	Series code			
	(see: Characteristics table below)				

Characteristics table									
		Symbol	DB152S	DB153S	DB154S	DB155S	DB156S	DB157S	Unit
Maximum Recurrent Peak Reverse Voltage		V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS Voltage		V _{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		V_{DC}	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A =40°C		I _(AV)	1.5				Α		
Peak Forward Surge Current ¹⁾		I _{FSM}	55				Α		
Maximum Forward Voltage at 1.0A DC		V_{F}	1.1				V		
Maximum DC Reverse Current @Rated DC Blocking Voltage	@T _J =25°C		5						
	@T _J =125°C	I _R			5	00			μΑ
Typical Junction Capacitance Per Element ²⁾	ce Per Element ²⁾ C _J 25		25			pF			
Typical Thermal Resistance ³⁾		$R_{\theta JA}$	40			°C/W			
		Rejc	15						
Operating and storage Temperature Range		T _J , T _{STG}	-55 to 150				°C		

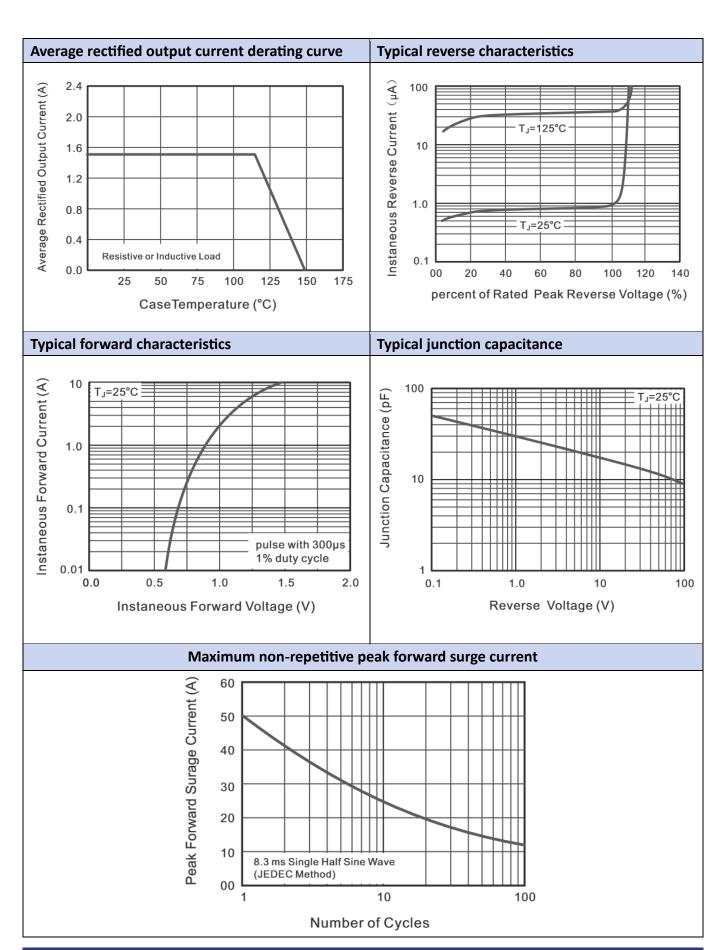
^{1) 8.3}ms single half sinewave superimposed on rated load (JEDEC method)

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

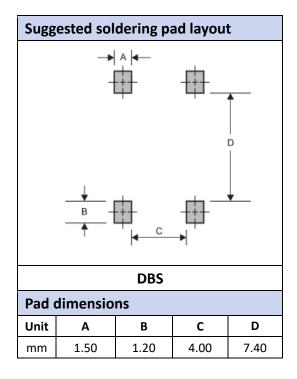
²⁾ Measured at 1.0MHz and applied reverse voltage of 4.0V DC

 $^{^{3)}}$ Mounted on glass epoxy PCB with 4 x 1.5" x 1.5" (38.1*38.1mm) copper pads









Ordering information					
Part Number	Package	Shipping Quantity	Dimensions		
DB152S ~ DB157S	DBS	1500 pcs / reel			

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