

## Product Overview

### DF08S1: Bridge Rectifier

For complete documentation, see the data sheet.

With the ever-pressing need to improve power supply efficiency, improve surge rating, improve reliability, and reduce size, the DFxS1 family sets a new standard in performance and cost saving. The DFxS1 family balances performance against cost. The design offers a moderate surge rating of 35 A required to handle inrush surge and maintain good reliability, with fair price. The DFxS1 achieves good performance in a SDIP surface mount form factor, reducing board space and volumetric requirements vs. competitive devices.

### Features

- Maximum Surge Rating:  $I_{FSM} = 35\text{ A}$ ,  $I^2t = 5.1\text{ A}^2\text{Sec}$
- Optimized  $V_F$ : Typical 0.95 V at 1 A, 25°C
- DF10S Socket Compatible
- Glass Passivated Junctions
- Space Saving
- Lead Free in Comply with EU RoHS 2002/95/EU Directives
- Green Molding Compound: IEC61249 Halogen Free
- Qualified with IR Reflow and Wave Soldering

### Part Electrical Specifications

Product	Compliance	Status	Type	$I_{O(rec)}$ Max (A)	$t_{tr}$ Max (ns)	$V_{RRM}$ Max (V)	$V_{FM}$ Max (V)	$I_{FSM}$ Max (A)	$I_R$ Max (mA)	Package Type
DF08S1	Pb-free Halide free	Active	-	-	-	800	1.1	35	0.003	PDIP-4 GW

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