

Product Overview

MSR1560: Power Rectifier, Soft Recovery, Switch-mode, 15 A, 600 V

For complete documentation, see the data sheet.

The Soft Recovery Rectifier is designed for boost converter or hard-switched converter applications, especially for Power Factor Correction application. The Soft Recovery Rectifier can also be used as a free wheeling diode in variable speed motor control applications and switching mode power supplies.

Features

- Soft Recovery with Low Reverse Recovery Charge (QRR) and Peak Reverse Recovery Current (IRRM)
- 150°C Operating Junction Temperature
- Epoxy meets UL94, VO @ 1/8"
- Low Forward Voltage
- Low Leakage Current
- Case: Molded Epoxy
- Weight: 1.9 Grams (approximately)
- Finish: All External Surfaces Corrosion Resistant and Terminal Leads Readily Solderable
- Lead Temperature for Soldering Purposes: 260°C Max. for 10 Seconds

Applications

- SMPS: CCM PFC

End Products

- ATX Power Supply
- Flat Panel Display
- Server
- Note Book Adapter

Part Electrical Specifications

Product	Compliance	Status	Type	$I_{O(rec)}$ Max (A)	t_r Max (ns)	V_{RRM} Max (V)	V_{FM} Max (V)	I_{FSM} Max (A)	I_R Max (mA)	Package Type
MSR1560G	Pb-free	Active	Ultrasoft	15	45	600	1.8	100	0.015	TO-220-2
MSRF1560G	Pb-free	Active	Ultrasoft	15	45	600	1.8	100	0.015	TO-220-2 FullPak

For more information please contact your local sales support at www.onsemi.com.

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