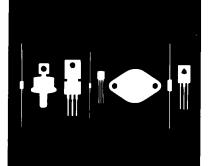
Central Semiconductor Corp. Central ™ Semiconductor Corp. 145 Adams Avenue

Hauppauge, New York 11788



CR1F SERIES

FAST RECOVERY RECTIFIER

JEDEC DO-41 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR CR1F Series types are Axial Lead Silicon Rectifiers designed for DC Power Supply and Inverter applications where fast recovery times are needed.

MAXIMUM RATINGS (TA=25°C unless otherwise noted)

	CR1F- 005	CR1F- 010	CR1F- 020	CR1F- 040	CR1F- 060	CR1F- 080	CR1F- 100	CR1F- 120	UNIT
V _{RRM}	50	100	200	400	600	800	1000	1200	V
VR (RMS)	35	70	140	280	420	560	700	840	V
I _O (T _A =80°C)		1.5							
I _{FSM} (8.0ms Duration)	50								Α
T _J , T _{stg}	-65 TO +175								°C

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
1 _R	$V_R = V_{RRM}$		5.0	μA
1 _R	$V_{R}=V_{RRM}$, $T_{A}=100^{\circ}C$		100	μА
٧F	I _F =1.0A		1.2	٧
trr	I _F =1.0A, V _R =30V, (50V thru 600V)		150	ns
trr	I _F =1.0A, V _R =30V, (800V thru 1200V)		500	ns



145 Adams Avenue Hauppauge, NY 11788 USA Tel: (631) 435-1110 • Fax: (631) 435-1824 www.centralsemi.com

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- · Inventory bonding
- · Consolidated shipping options

- · Custom bar coding for shipments
- · Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free guick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- · Custom electrical curves
- · Environmental regulation compliance
- · Customer specific screening
- Up-screening capabilities

- · Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- · Application and design sample kits
- · Custom product and package development

REQUESTING PRODUCT PLATING

- 1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
- 2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp. 145 Adams Avenue Hauppauge, NY 11788 USA

Main Tel: (631) 435-1110 Main Fax: (631) 435-1824

Support Team Fax: (631) 435-3388

www.centralsemi.com

Worldwide Field Representatives: www.centralsemi.com/wwreps

Worldwide Distributors:

www.centralsemi.com/wwdistributors

For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: www.centralsemi.com/terms

www.centralsemi.com (001)