



## Fast Recovery Rectifier



### Features

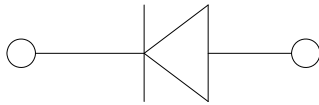
- High efficiency
- High current capability
- High reliability
- High surge current capability
- Low power loss
- Glass passivated chip junction
- Solder dip 275 °C max. 7 s, per JESD 22-B106

### Mechanical Data

Package: R-1

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen free

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B.d ' M



				1F2G	1F3G	1F4G	1F5G	1F6G	1F7G
Device marking code			1F1G	1F2G	1F3G	1F4G	1F5G	1F6G	1F7G
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	400	600	800	1000
Average Rectified Current (continuous, Ta=70)	IF(AV)	A	1.0						
Surge Current (non-repetitive)	IFSM	A	30						
Surge Current (repetitive)			60						
Current squared time product (Rating of per diode)	I²t	A²s	3.375						
Typical junction capacitance @ Measured at 0V and Applied Reverse Voltage of 4.0V	Cj	pF	10					8	
Storage Temperature	Tstg		-55 ~ +150						
Junction Temperature	Tj		-55 ~ +150						

### Electrical Characteristics Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	1F1G	1F2G	1F3G	1F4G	1F5G	1F6G	1F7G
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	tr	ns	IF 1.05A, IRRM 1.0A IF 1.025A	150	250	500			
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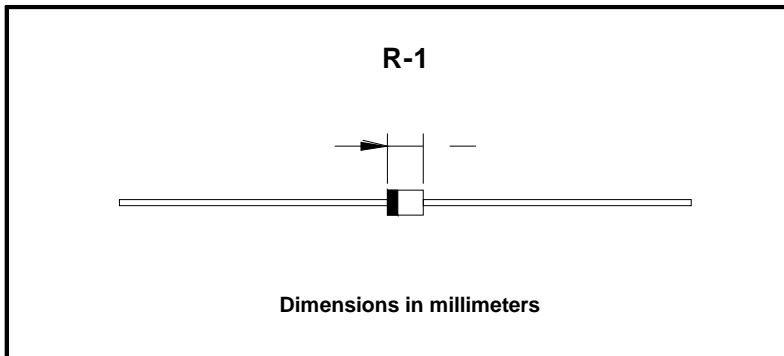
# 1F1G THRU 1F7G

**Thermal Characteristics**  $T_a=25$  Unless otherwise specified

PARAMETER	SYMBOL	UNIT	1F1G	1F2G	1F3G	1F4G	1F5G	1F6G	1F7G
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Outline Dimensions



R-1		
Dim	Min	Max
A	3.00	3.30
B	2.00	2.70
C	25.4	/
D	0.53	0.64



## Disclaimer

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