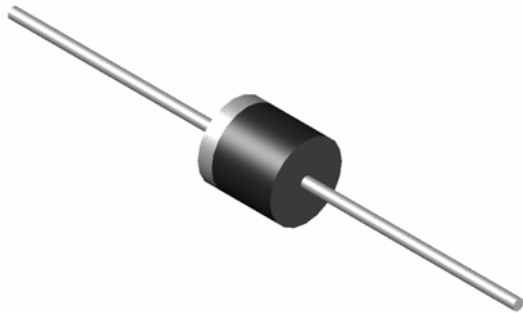




General Purpose Rectifier

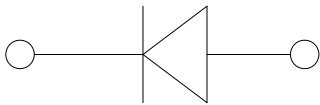


Features

- 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

Typical Applications

For use in general purpose rectification of power supplies, inverters, converters, and freewheeling diodes for consumer, and telecommunication.



Mechanical Data

- **Package:** R-6
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Color band denotes cathode end

Maximum Ratings (Ta=25 - Unless otherwise specified Å

PARAMETER	SYMBOL	UNIT	10A05G	10A1G	10A2G	10A4G	10A6G	10A8G	10A10G
Device marking code			10A05G	10A1G	10A2G	10A4G	10A6G	10A8G	10A10G
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 Forward Current
@60Hz sine wave, Resistance load, Ta =50

Typical junction capacitance @ Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	Cj	pF	53
Storage Temperature	Tstg	-	-55 ~ +150
Junction Temperature	Tj	-	-55 ~ +150

		UNIT	TEST CONDITIONS	10A05G	10A1G	10A2G	10A4G	10A6G	10A8G	10A10G
Maximum instantaneous forward voltage drop per diode	VF	V	IFM=10.0A	1.1						
Maximum DC reverse current at rated DC blocking voltage per diode	IR	µA	Tj =25 -	2.5						
			Tj =125 -	100						



10A05G THRU 10A10G

■ Outline Dimensions

R-6		
Dim	Min	Max
A	8.60	9.10
B		



10A05G THRU 10A10G

Disclaimer

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