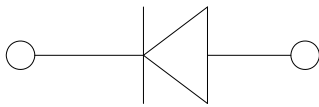
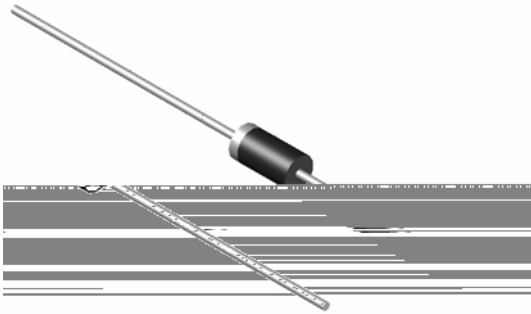




General Purpose Rectifier



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:** DO-204AC(DO-15)
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 °C Unless otherwise specified)

PARAMETER Peak Reverse Voltage V

	RRM	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	V _{RMS}	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	V _{DC}	V	50	100	200	400	600	800	1000
Average Forward Current @60Hz sine wave, Resistance load, Ta = 50 °C	I _{F(AV)}	A	2.5						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Tj=25 °C	I _{FSM}	A	120						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25 °C			240						
Current squared time 4		² S	60						
Typical junction capacitance @Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	Cj	pF	22						
Storage Temperature	T _{stg}		-55 ~ +150						
Junction Temperature	Tj		-55 ~ +150						

Electrical Characteristics Ta=25 °C Unless otherwise specified

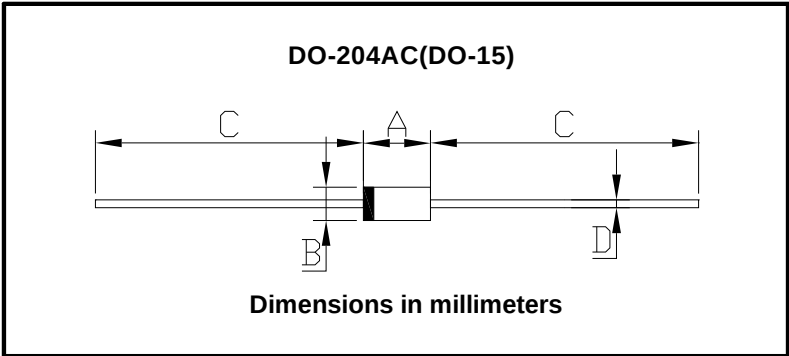
PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	RL251G	RL252G	RL253G	RL254G	RL255G	RL256G	RL257G
Maximum instantaneous forward voltage drop per diode	V _F	V	I _{FM} =2.5A	1.1						
Maximum DC reverse current at rated DC blocking voltage per diode	I _R	μA	Tj = 25 °C	2.5						
			Tj = 125 °C	50						

v7KHUPDO &KDUDÄFWHU&QVLFVVRWKHU&LVH VSHFLILHG

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■ Outline Dimensions



DO-204AC(DO-15)		
Dim	Min	Max
A	5.80	7.60
B	2.60	3.60
C	25.4	/
D	0.70	0.90



Disclaimer

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