

## 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 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	RL201G	RL202G	RL203G	RL204G	RL205G	RL206G	RL207G
Device marking code			RL201G	RL202G	RL203G	RL204G	RL205G	RL206G	RL207G
Maximum Repetitive 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 =60	$I_{F(AV)}$	A	2.0						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Tj=25	$I_{FSM}$	A	70						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			120						
Current squared time @1ms t8.3 ms Tj=25 Rating of per diode	$I^2t$	A <sup>2</sup> s	20.335						
Typical junction capacitance @ Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	$C_j$	pF	13						
Storage Temperature	$T_{stg}$		-55 ~ +150						
Junction Temperature	$T_j$		-55 ~ +150						

## Electrical Characteristics Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	RL201G	RL202G	RL203G	RL204G	RL205G	RL206G	RL207G
Maximum instantaneous forward voltage drop per diode	$V_F$	V	$I_{FM}=2.0A$	1.1						
Maximum DC reverse current at rated DC blocking voltage per diode	$I_R$	$\mu A$	$T_j=25$	2.5						
			$T_j=125$	50						

v7KHUPDO & KDUDÄFWHU&QVHLFVVRWKHUÅLVH VSHFLILHG

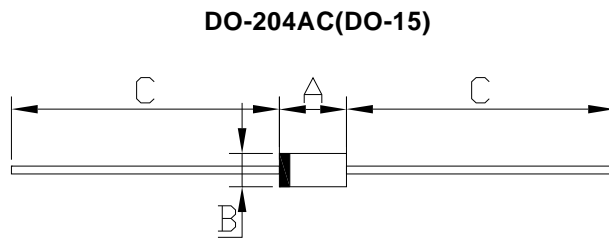
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Outline Dimensions



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



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