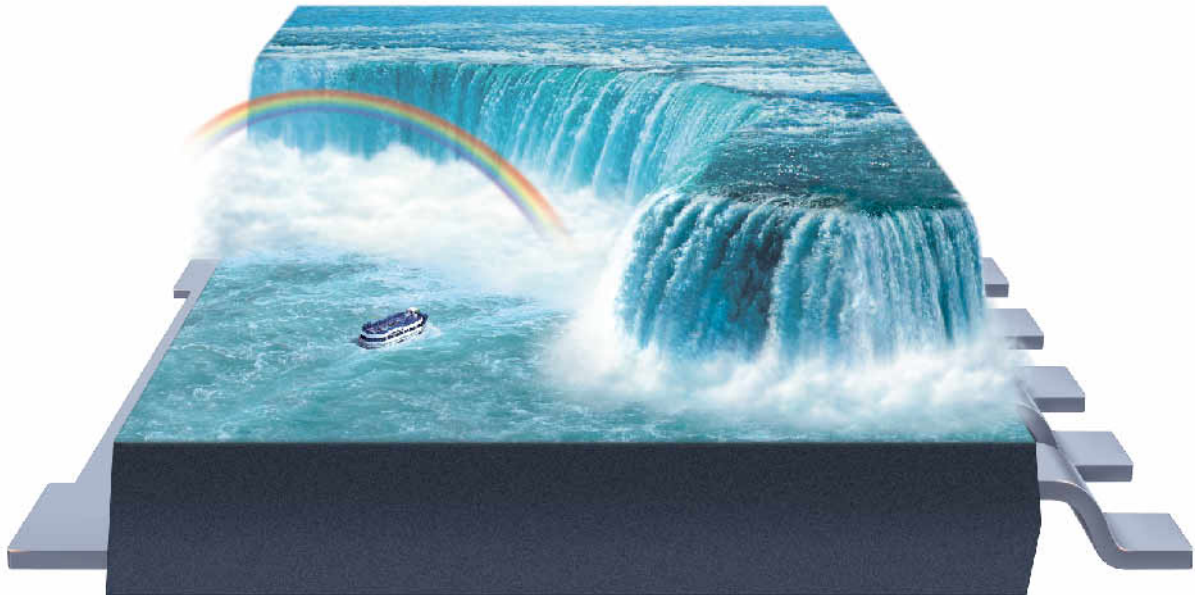


## OUR RESPONSE TO THE MARKET DEMAND FOR A LOW OPERATING VOLTAGE AND HIGH CURRENT POWER SOURCE

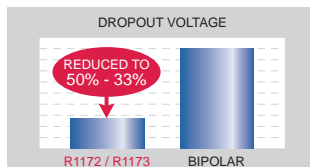
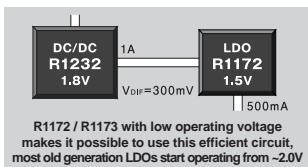


- Powerful CMOS LDO -
- Maximum 2A Output Current -
- Ultra Low Power Consumption -
- Ultra Low Dropout Voltage -

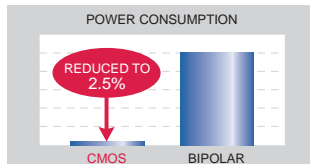
### High Current LDO R1171x / R1172x / R1173x series

- **LOW MINIMUM OUTPUT VOLTAGE:** 0.8V - 5.0V (R1172x & R1173x)  
Makes it possible to support low voltage CPUs

- **LOW DROPOUT VOLTAGE:** 50mV (R1172x & R1173x)



- **LOW POWER CONSUMPTION:**  
Supply Current: 60μA (R1172 & R1173)  
CMOS LDOs offer a significant reduction of power consumption compared with Bipolar LDOs



	R1171x Series	R1172x Series	R1173x Series
Output Current (Min.)	1.5A / 2.0A*		1A
Supply Current (Typ.)	130μA	60μA	
Dropout Voltage (Typ.) (Iout = 300mA, Vout = 2.8V)	90mV	50mV	
Ripple Rejection (Typ.) (f = 1kHz, Vout = 2.8V)	50dB	70dB	
Load Regulation (Typ.) (1mA ≤ Iout ≤ 300mA)	30mV	15mV	
Input Voltage Range	2.1V - 6.0V	1.4V - 6.0V	
Output Voltage Range	1.5V - 5.0V (TO-252-5L (1.8V - 5.0V))	0.8V - 5.0V (HSOP-6J (0.8V - 3.5V))	
Output Voltage Accuracy	±2%		
Package	HSOP-6J, TO-252-5L*	SOT23-5, HSON-6 SOT89-5, HSOP-6J	HSON-6, SOT89-5, HSOP-6J
Output Voltage	Fixed	Fixed	Fixed or Adjustable



\* 2A / TO-252-5L under development, available soon

High Current LDO  
suitable for home appliances and automotive accessory

R117x series

for further information please visit our website

[www.ricoh.com/LSI/](http://www.ricoh.com/LSI/)

Contact Information

■ Ricoh Europe BV  
Koolhovenlaan 45  
1119 NB Schiphol-Rijk  
The Netherlands  
Tel: +31 (0) 20 5474 309  
Fax: +31 (0) 20 5474 791

■ Ricoh Company Ltd  
3-2-3 Shin-Yokohama Kohoku-ku  
Yokohama City  
Kanagawa 222-8530, Japan  
Tel: +81 45 477 1697  
Fax: +81 45 477 1694