

Power Monitoring Output, 5.5V Input, 100mA,
0.5 μ A Super Low Current Consumption



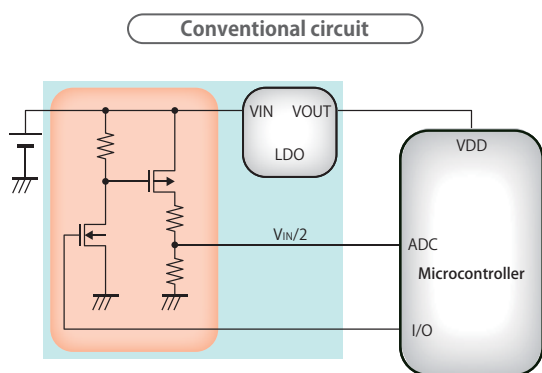
CMOS VOLTAGE REGULATOR

S-1740/1741 Series

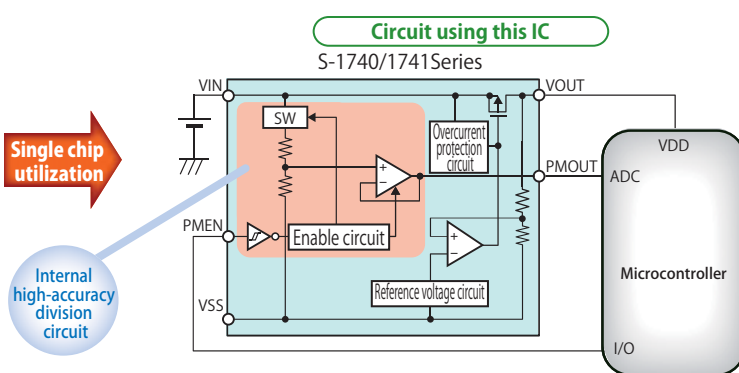
- An industry first! Possible to divide and output voltage by a built-in power monitoring function
- Carries out voltage monitoring without any external parts when using a low voltage microcontroller
- Achieves world top class super low current consumption operation of 0.5 μ A!

Battery voltage monitoring by power monitoring output function

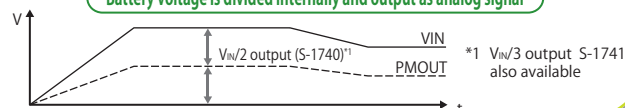
Also possible to easily carry out voltage monitoring using a low voltage microcontroller



- Cumbersome resistance selection
- Increased number of components due to ON/OFF operation of division circuit

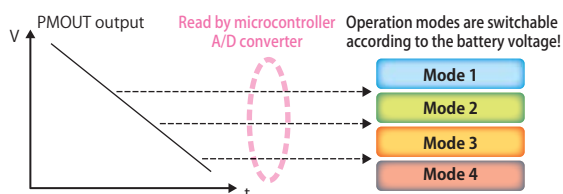


Battery voltage is divided internally and output as analog signal



Using the 1740/1741 Series...

- Possible to monitor battery voltage with a high degree of accuracy
- Ensures long battery life due to super low current consumption
- No need for external parts for voltage division
- Enables fine control through analog output



Applications



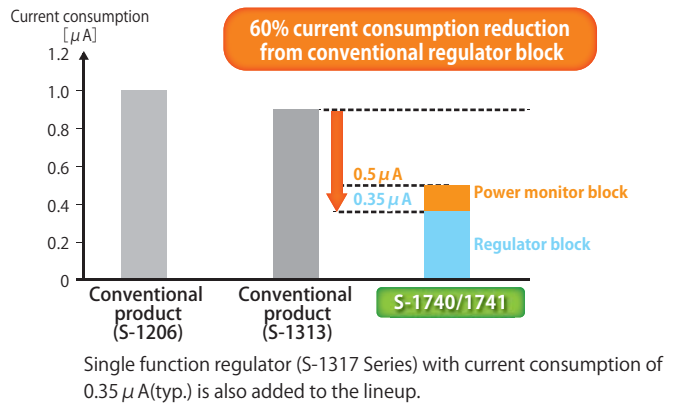
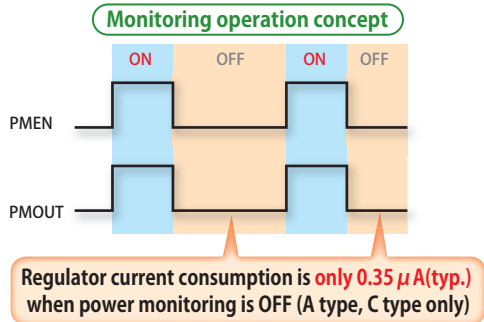
Specifications

Item	S-1740 Series			S-1741 Series			
	A type	C type	G type	A type	C type	G type	
Regulator block	Product type						
	Output voltage						
	Input voltage						
	Output voltage accuracy						
	Dropout voltage						
Power monitor block	Output current						
	Output offset voltage						
Overall	Built-in enable circuit						
	Current consumption during operation						
	Operation temperature range						
Package		HSNT-6(1212),SOT-23-5		HSNT-4(1010)		HSNT-6(1212),SOT-23-5	

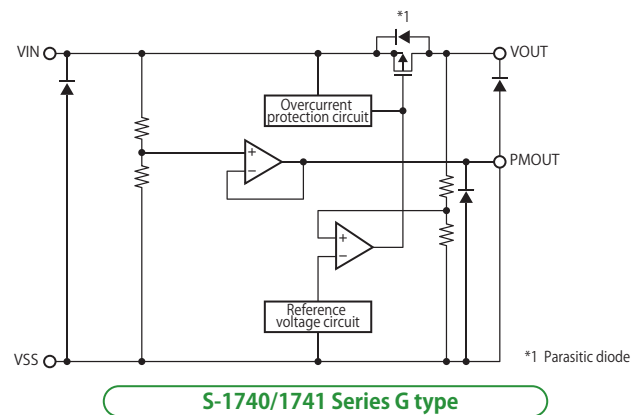
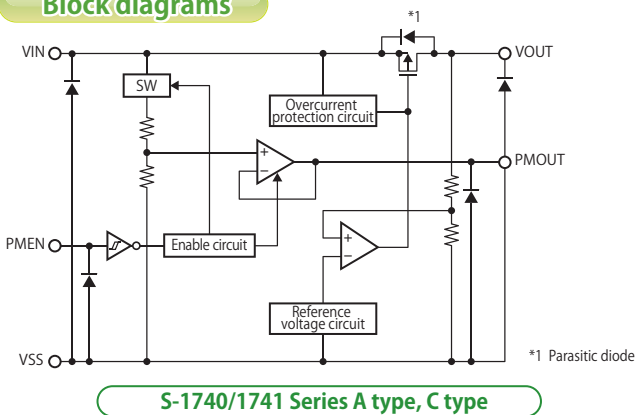
S-1740/1741

Super low current consumption Contributes to even longer battery life

- Achieves even lower current consumption with a PMEN pin
- Outputs signals from a PMOUT pin only during voltage monitoring

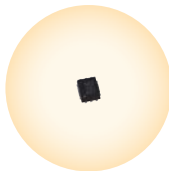


Block diagrams

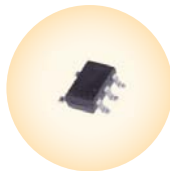


Packages

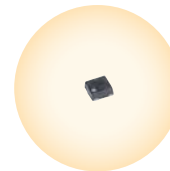
(Unit : mm)



HSNT-6(1212)
1.2 × 1.2 × t0.4 (max.)



SOT-23-5
2.8 × 2.9 × t1.3 (max.)



HSNT-4(1010)
1.0 × 1.0 × t0.4 (max.)



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Specifications are subject to change without notice.
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