



New Product Announcement

AP7350

AP7350 Ultra Low Quiescent Current 150 mA LDO

The AP7350 is a low dropout voltage regulator that features extremely low quiescent current.

With its ultra-low typical quiescent of 0.25 microamps and miniature package dimensions, the AP7350 is well-suited for low-power handheld, wearable devices, and other battery-operated devices requiring an extended time period before a new battery replacement.

The Internet-of-Things adds new products many of which are remote sensing devices requiring low power consumption. Many of these applications are expected to run for years from a single cell highlighting the importance of the low quiescent current of the AP7350.

For applications that have rechargeable capability, the AP7350 will improve the operation time that can be achieved between charges.

Package:
Chip Scale – 0.64 X 0.64 mm
Lead Free
ROHS Compliant



The Diodes Advantage

Lowest Quiescent Current

A typical quiescent current of 0.25 μ A leads to extended battery life for those applications where power must be conserved.

Your Product Can Now Be Smaller, Lighter, and Thinner

A chip scale package of 0.64 x 0.64 mm allows for applications in the smallest of products.

1.0% Output Accuracy at Room Temp, 1.5% over -40 to +85°C

Maintains accuracy over a wide range of conditions. No need to sacrifice accuracy for small size.

Discharge Circuit Available

When the LDO enable is low, a discharge circuit is turned on to drain output capacitors, helping to disable connected circuits in a timely manner.

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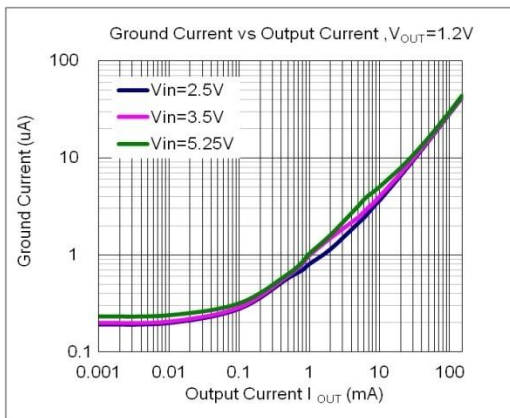


Ordering Information

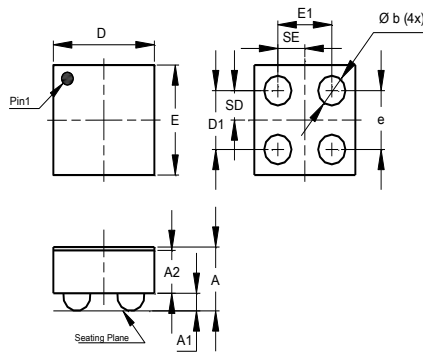
Device	Package Code	Package	Discharge	Tape and Reel Quantity on 7" Reel
AP7350-XX-CF4-7	CF4	W2-WLB0606-4	No	3,000
AP7350D-XX-CF4-7	CF4	W2-WLB0606-4	Yes	3,000

xx = 12 for 1.2 V, 15 for 1.5 V, 18 for 1.8V, 25 for 2.5 V, 28 for 2.8 V, 30 for 3.0 V, 33 for 3.3 V

Ultra-Low Quiescent Current



Small Size



X2-WLB0606-4			
Dim	Min	Max	Typ
A	0.300	0.380	0.340
A1	0.075	0.105	0.090
A2	0.205	0.255	0.230
b	0.110	0.190	0.150
D	0.625	0.655	0.640
D1	0.300	0.400	0.350
E	0.625	0.655	0.640
E1	0.300	0.400	0.350
e	0.350 BSC		
SD	0.175 BSC		
SE	0.175 BSC		
All Dimensions in mm			

Typical Application

The low quiescent current and small size makes this low dropout regulator an ideal candidate for wearables, remote sensing, and situations needing extended battery life.

