



**THE DATASHEET OF
AAT1162IRN-0.6-T1**





AAT1162IRN-0.6-T1

DC/DC Switching Regulator IC from Skyworks

12V Input 1.5A 800kHz Step-Down Converter TDFN34-16

Status: Discontinued | | **RoHS Compliance:** 

The AAT1162 is an 800kHz high efficiency step-down DC/DC converter. With a wide input voltage range of 4.0V to 13.2V, the AAT1162 is an ideal choice for dual-cell Lithium-ion battery-powered devices and mid-power-range regulated 12V-powered industrial applications. The internal power switches are capable of delivering up to 1.5A to the load. The AAT1162 is a highly integrated device, simplifying system-level design. Minimum external components are required for the converter. The AAT1162 optimizes efficiency throughout the entire load range. It operates in a combination PWM/Light Load mode for improved light-load efficiency. The high switching frequency allows the use of small external components. The low current shutdown feature disconnects the load from V_{IN} and drops shutdown current to less than 1μA. The AAT1162 is available in a Pb-free, space-saving, thermally-enhanced 16-pin TDFN34 package-and is rated over an operating temperature range of -40°C to +85°C.

Part Number:	AAT1162IRN-0.6-T1
Type:	Step-Down (Buck) Converter
Configuration:	Buck
V_{in} Min:	4 V
V_{in} Max:	13.4 V
V_{out} Min:	0.6 V
V_{out} Max:	13.4 V
I_{out}:	1500 mA
f_{osc}:	800 kHz
I_Q (typ):	150 μA
Package:	TDFN34 16L, 3 x 4 x 0.75

<https://store.skyworksinc.com/Products/Detail/AAT1162IRN06T1-Skyworks/466111/8-19-19>

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