

PRODUCT OUTLINE

SGC67

TESTE TESTE TESTE

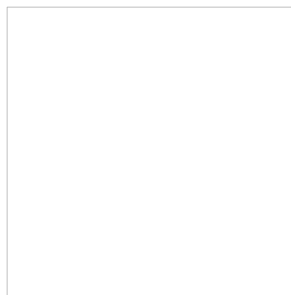
Features

- DC-DC PWM BUCK ultra fast response high power
- Seamless auto switching between PWM/VFM
- Low IQ: 25 uA
- Available in multiple output versions: fixed and 4-8 bit programmable
- Available with seven output current ranges: from 300 mA to 3.0 A
- Wide input voltage range: 1.8 V to 5.5 V
- Small 1 uH inductor
- Soft start and overcurrent protection
- Power good comparator and flag
- Seamless auto switching between PWM/VFM

Applications

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Applications Diagram



General Description

DC-DC PWM BUCK: The DCDC SGC67 is an ultra fast response, high output current, step down switched DC-DC regulator IP. It is the best supply solution for high power power digital cores with fast activity variation (where most DC-DC converters fail). Specially designed for SoC integration it uses advanced control techniques to achieve soft start-up, superb transient response and instantaneous overcurrent protection. The SGC67 operates with output coils as low as 0.47 uH and any type of output capacitor. It is specified from Tj = -40 °C to +125 °C and it is designed to achieve 3 % overall accuracy (over Load/Line/Temp).

Quick Reference

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNIT
TESTE	TESTE	sd	87	75	75
TESTE	TESTE	75485746	4	75	67
TESTE	TESTE	75	45	74	27
TESTE	TESTE	85	45	75	73
TESTE	TESTE	85	75	75	73