

PMU with 3 Channel of 18V, 2A Step-down Converter and I²C Control

DESCRIPTION

The ETA9158 is a Power Manager Unit (PMU) that consists of three wide input range, high-efficiency, and high frequency DC-to-DC step-down switching regulators. Each regulator is capable of delivering up to 2A of output current with a fixed switching frequency of 640KHZ. The three regulators run 120° out of phases, minimizing input capacitor and input ripple. The output voltages of the three regulators can be programmed via I²C interface, in 10mV steps, making this PMU an ideal solution for ARM core based applications.

ETA9158 is available DFN55-40 Package.

FEATURES

- Wide Input Operating Range from 4V to 18V
- High Efficiency at 12V In 5V Out: Up to 91%:
- High Efficiency PFM mode at light load
- I²C Controlled 6-BIT VID Output Voltage
- Available in QFN55-40 Package

APPLICATIONS

- Next Generation Smart Set Top Box
- Next Generation Smart TV

ORDERING INFORMATION

PART #	PACKAGE PIN	TOP MARK
ETA9158Q5N-T	DFN55-40	ETA9185 YW └── Date Code └── Product Number

PIN CONFIGURATION

