

## VR13 single phase controller

Data brief



### Features

- Single phase controller Intel® VR13 compliant w/25 MHz SVID bus rev1.7
- High performance STVCOT™ control loop
- Selectable PWM switching frequency, maximum current, DVID slew rate, load-line
- External power MOSFET support
- Remote sense; 0.5% Vout accuracy with calibration
- Ultrasonic mode at light-loads
- Programmable voltage positioning
- OV, UV and FB disconnection protection
- VFQFPN20 3 x 3 mm package

### Applications

- Power regulation for Intel VR13 based microprocessors
- Power regulation for Denverton Intel based systems

### Description

The PM6697 is a high performance single phase controller designed to power Intel's VR13 power rails, all required parameters are programmable through the dedicated pin strapping.

The STVCOT™ control loop provides the fast load transient response minimizing and optimizing the output filter composition.

The PM6697 device assures fast and independent protection against the load overcurrent, under/overvoltage and feedback disconnections.

The device is available in a VFQFPN20 3 x 3 mm package.

**Table 1. Device summary**

Order code	Package	Packing
PM6697TR	VFQFPN20 3 x 3 mm	Tape and reel

## Revision history

**Table 2. Document revision history**

Date	Revision	Changes
13-Jun-2014	1	Initial release.
07-Mar-2017	2	Updated main title <i>on page 1</i> , replaced figure of package by new one, updated <i>Features, Applications, Description</i> , and <i>Table 1 on page 1</i> .

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