



# 带有可编程输出周期和脉冲宽度的**32 kHz**表电路

## PCA2002

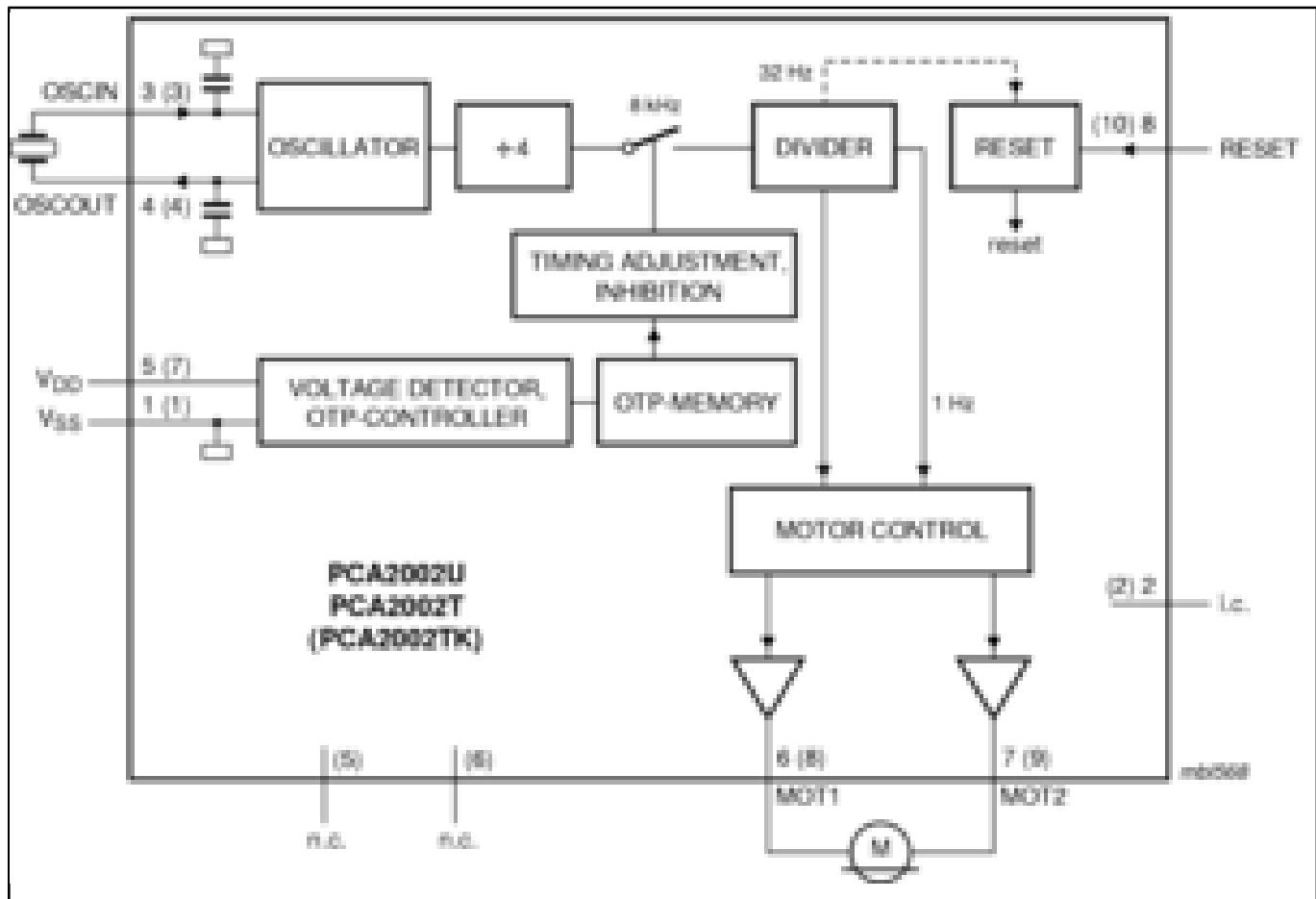
Last Updated: Jan 31, 2024

PCA2002是用于电池供电手表的CMOS集成电路，带有**32 kHz**石英晶体作为定时元件和双极步进电机。石英晶体振荡器和分频器经过优化可实现最小电流消耗。通过可编程数字频率调节实现**1 ppm**的定时精度。

可对输出周期和输出脉冲宽度进行编程。可在占空比为**75 %**的全波输出脉冲和斩波输出脉冲之间进行选择。另外，可向主驱动脉冲添加拉伸脉冲。

提供**RESET**引脚（用于停止电机）以实现精确时间设置和手表的加速测试。

### Block diagram: PCA2002CX8, PCA2002U, PCA2003U Block Diagram



View additional information for [带有可编程输出周期和脉冲宽度的32 kHz表电路](#).

Note: The information on this document is subject to change without notice.

**www.nxp.com**

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.