

TPL740F33/TPL740F18 500mA输出高PSRR低损耗线性稳压器

产品名称	TPL740F33/TPL740F18 500mA输出高PSRR低损耗线性稳压器
公司名称	深圳市昊海鑫科技有限公司
价格	.00/件
规格参数	品牌:3PEAK思瑞浦 型号:TPL740F33/TPL740F18 产地:苏州
公司地址	深圳市宝安区西乡街道固戍社区宝源路北侧宝港中心B座411
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产品详情

The TPL740 series products are high performance and low dropout linear regulators. The TPL740 series products support a maximum 500 mA output current with low quiescent current and high PSRR. The TPL740 series products are stable with ceramic output capacitor from 2.2 μ F to 10 μ F. The TPL740 series products have a high PSRR with 60 dB at 1 kHz. This feature makes TPL740 series products very suitable for power-sensitive applications with high noise from the previous stage power supply. As low as 49 μ A quiescent current and only 20 nA shutdown current makes the TPL740 series products ideal choices for portable devices with battery power supply. Current limit foldback and thermal overload protection circuits improve the reliability under heavy load conditions. The TPL740 series products provide several output voltage version options including fixed version and adjustable version with \pm 2% output voltage accuracy over operating conditions. The TPL740 series products are guaranteed over the junction temperature range from -40° C to $+125^{\circ}$ C. Features Input Voltage Range: 2.4 V to 5.5 V Output Voltage Options: Fixed Voltage: 1.2 V, 1.5 V, 1.8 V, 2.5 V, 2.7 V, 2.8 V, 2.9 V, 3 V, 3.3 V Adjustable Voltage: 0.8 V to 5 V High Output Accuracy: \pm 1% Typical Under Room Temperature \pm 2% Through Operating Conditions Maximum Output Current: 500 mA Low Dropout Voltage: 400 mV at 500 mA Low Quiescent Current and Shutdown Current Foldback Current Limit and Thermal Protection Stable with 2.2 μ F Ceramic Capacitor Inrush Input Current Limitation During Start-up Thermal Shutdown Protection Junction Temperature Range: 40° C to $+125^{\circ}$ C Package options: SOT23-5, SC70-5, SOT89-3, 1 \times 1 DFN-4 Applications Handheld Devices with Battery Power Supply POS Video Surveillance Wireless and IoT modules