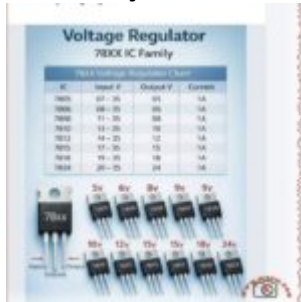


78XX IC Family, Voltage Regulator

Category: Electronic

written by www.mbsmpro.com | January 12, 2026



The 78XX series is the industry-standard family of linear voltage regulators, providing fixed regulated output from 5V to 24V at up to 1.5A. This comprehensive guide covers the 7805, 7812, 7815, and 7824 variants, their specifications, internal architecture, thermal design, practical circuit applications, and professional troubleshooting tips for reliable power supply design.