



After several years of development, Motorola introduced its first power MOSFETs in 1980. Several technologies were evaluated and the final choice was the double diffused (DMOS) process which Motorola has acronymed TMOS. This process is highly manufacturable and is capable of producing devices with the best characteristics for product needed for power control. Most suppliers of power MOSFETs use the basic DMOS process.

The key to success of power MOSFETs is in the control of vertical current flow, which enables suppliers to reduce chip sizes comparable to bipolar transistors. This development opens a new dimension for designers of power control systems.

This manual is intended to give the users of power MOSFETs the basic information on the product, application ideas of power MOSFETs and data sheets of the broadest line of power MOSFETs with a variety of package configurations. The product offering is far from complete. New products will be introduced and old products will be improved, offering designers an even better selection of products for their designs.

Motorola has a long history of supplying high quality power transistors in large volume to the military, automotive, consumer, industrial and computer markets. Being the leading supplier of power transistors in the world, we strive to serve our customers' needs to maintain our leadership position.

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