


## Trans RF FET N-CH 170V 42A 5-Pin Style M-177 Box

<b>Manufacturer:</b>	<a href="#">Microchip Technology, Inc</a>
<b>Package/Case:</b>	TO-59
<b>Product Type:</b>	Thyristors
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The VRF2933 is a high-power RF LDMOS (Laterally Diffused Metal-Oxide-Semiconductor) transistor designed for RF power amplification applications.

### Key Features

**Frequency Range:** It is designed for operation in the frequency range of 1800 MHz to 2200 MHz.

**Power Output:** The transistor is capable of delivering high output power, typically in the range of several watts to tens of watts.

**Voltage Rating:** It has a maximum drain-source voltage (VDS) rating of typically 65 volts.

**Current Rating:** The maximum drain current (ID) rating is typically in the range of several amperes.

**Efficiency:** It is designed for high power efficiency, enabling efficient power amplification in RF systems.

**Gain:** The transistor offers high gain characteristics, providing amplification to the input RF signal.

**Thermal Management:** It may require appropriate thermal management techniques, such as the use of heat sinks or cooling systems, to ensure optimal performance and reliability.

**Application:** It is commonly used in various RF power amplifier applications, including wireless communication systems, cellular base stations, radio transmitters, and other high-power RF applications.

### Recommended For You

#### VRF151

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#### VRF150MP

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M174

#### VRF2944

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**VRF150**

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**VRF157FL**

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**VRF151G**

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**VRF141**

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