

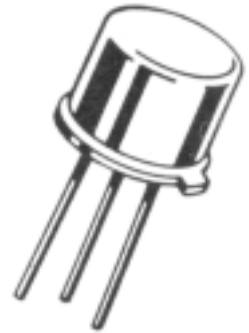
2N4427

Silicon NPN Transistor

RF Power Transistor

Description:

The 2N4427 is a silicon NPN transistor in a TO39 type package designed for amplifier, frequency multiplier, or oscillator applications in military and industrial equipment. Suitable for use as output driver or pre-driver stages, in VHF and UHF equipment.



C B E

Features:

Current-Gain-Bandwidth Product- $f_T = 500\text{MHz (Min) @ } I_C = 50\text{mA dc}$

Power Gain- $G_{pe} = 10\text{dB (Min) @ } V_{CE} = 12\text{V dc}$

1 Watt Minimum Power Output @ $f = 175\text{MHz}$

Multiple-Emitter Construction for Excellent High-Frequency Performance