

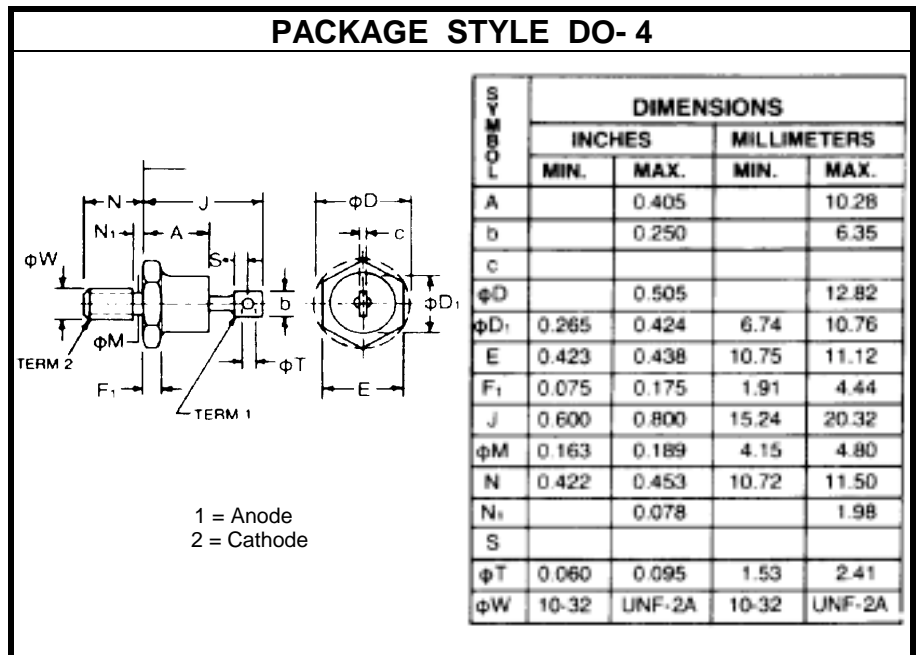
# SILICON MULTIPLIER VARACTOR DIODE

**DESCRIPTION:**

The **1N4387** is a High Power Silicon Multiplier Varactor Diode.

**MAXIMUM RATINGS**

$I_o$	200 mA
$V_R$	150 V
$P_{DISS}$	20 W @ $T_C = 25^\circ\text{C}$
$T_J$	$-65^\circ\text{C}$ to $+150^\circ\text{C}$
$T_{STG}$	$-65^\circ\text{C}$ to $+175^\circ\text{C}$
$\theta_{JC}$	5.0 $^\circ\text{C}/\text{W}$


**CHARACTERISTICS**  $T_C = 25^\circ\text{C}$ 

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$V_{BR}$	$I_R = 10 \mu\text{A}$	150			V
$C_T$	$V_R = 6.0 \text{ V}$			35	pF
Q	$V_R = 6.0 \text{ V}$		200		---
$f_{in}$				150	MHz
$P_{OUT(x3)}$	$P_{IN} = 30 \text{ W}$			30	W