

UHF MODULATOR DIODE QUAD

ND487C1-3R

DESCRIPTION The ND487C1-3R is schottky barrier diode quad interconnected in cross configuration, especially designed for use in double balanced mixers, phase detectors, AM modulators, and pulse modulators.

- FEATURES**
- Monolithic array
 - Diode cross configuration
 - Wideband operation
 - Small size package (disk mold)
 - Low cost

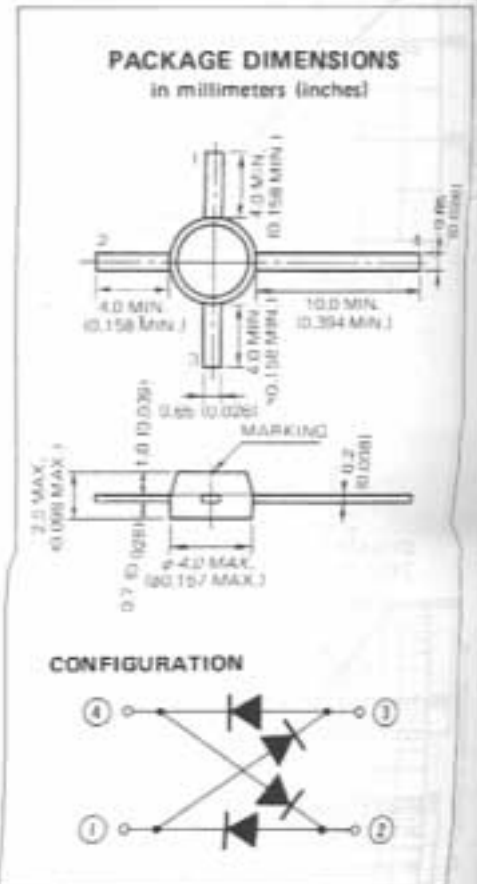
ABSOLUTE MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

Maximum Temperatures

- Storage Temperature -65 to $+150^\circ\text{C}$
 Junction Temperature 150°C Maximum

Maximum Power Dissipation ($T_a = 25^\circ\text{C}$)

- DC Power Dissipation 75 mW/Junction
 Soldering Temperature 230°C for 10 s



ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

SYMBOL	CHARACTERISTIC	MIN.	TYP.	MAX.	UNIT	TEST CONDITIONS
V_{F1}	Forward Voltage			0.7	V	$I_F = 50$ mA
V_{F2}	Forward Voltage		0.2	0.3	V	$I_F = 1.0$ mA
ΔV_{F2} (NOTE 1)	Delta Forward Voltage			0.02	V	$I_F = 1.0$ mA
C_T (NOTE 2)	Terminal Capacitance		0.9	1.2	pF	$V_R = 0, f = 1.0$ MHz
ΔC_T (NOTE 1)	Delta Terminal Capacitance			0.2	pF	$V_R = 0, f = 1.0$ MHz

NOTE 1: Difference V_F, C_T
 2: Measurement terminal ① - ④, ② - ③