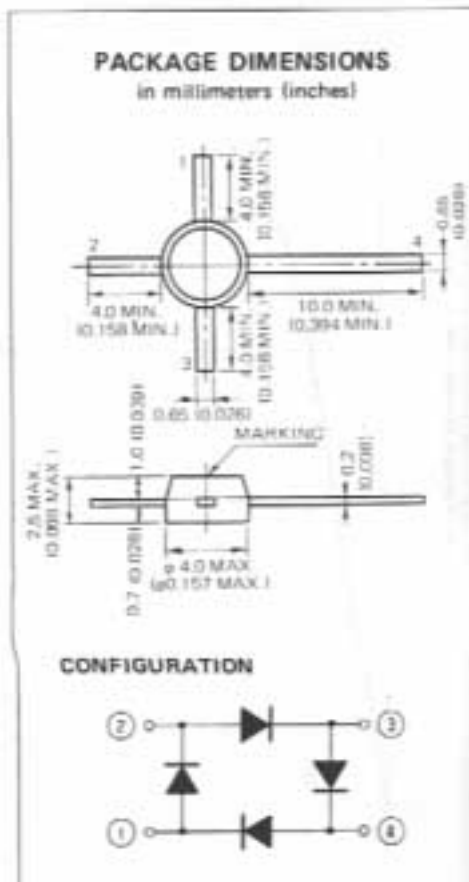


UHF MODULATOR DIODE QUAD

ND487R2-3R

DESCRIPTION The ND487R2-3R is schottky barrier diode quad inter-connected in ring configuration, especially designed for use in double balanced mixers, phase detectors, AM modulators, and pulse modulators.

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



ABSOLUTE MAXIMUM RATINGS (Ta = 25 °C)

Maximum Temperatures

- Storage Temperature -65 to +150 °C
- Junction Temperature 150 °C Maximum

Maximum Power Dissipation (Ta = 25 °C)

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

ELECTRICAL CHARACTERISTICS (Ta = 25 °C)

SYMBOL	CHARACTERISTIC	MIN.	TYP.	MAX.	UNIT	TEST CONDITIONS
V _{F1}	Forward Voltage			1.0	V	I _F = 50 mA
V _{F2}	Forward Voltage		0.4	0.5	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 of V_F, C_t
 2: Measurement terminal ① - ③, ② - ④