

WAVEGUIDE DETECTORS

MO86561 - MO86571

Features

Low Cost

Rugged Housings

Low Noise

High Sensitivity

Applications

Moisture Measurement

Microwave Counters

Liquid Level Indicators

Flow/No Flow Sensors

Microwave Perimeter Protection

Specifications @ 25°C

Part Number	Center Frequency (GHz)	Minimum Detectable Signal (dBm) ¹	RF Bandwidth (MHz)
X Band Detector, Waveguide Mount			
MO86571	10.525	-45	300
K Band Detector, Waveguide Mount			
MO86561	24.150	-45	300

^{1.} Video amplifier: 1 MHz bandwidth, 2 dB noise figure, 100 K Ω input resistance.

Other frequencies and power levels available upon request.

Operating temperature is -30°C to +70°C.

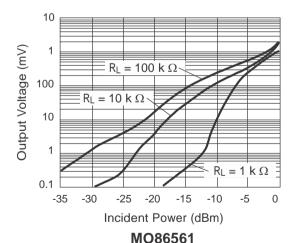
Storage temperature is -40°C to +85°C.



Description

Microsemi's MO86561 and MO86571 waveguide detectors consist of selected Schottky barrier diodes assembled in a rugged housing suitable for use in industrial applications as a RF detector.

Typical Performance Characteristics



Frequency = 24.125 GHz. $I_F = 0 \mu A$.

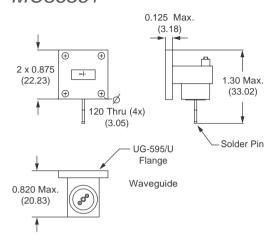


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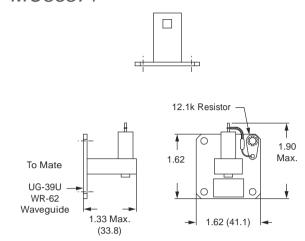
Waveguide Detectors

MO86561



Dimensions are in inches (mm).

MO86571



Dimensions are in inches (mm).