

NJR Microwave Doppler Sensor Modules K-BAND (24 GHz)

NJR
NEWS

2005

47

January 14, 2005

K-BAND (24 GHz)

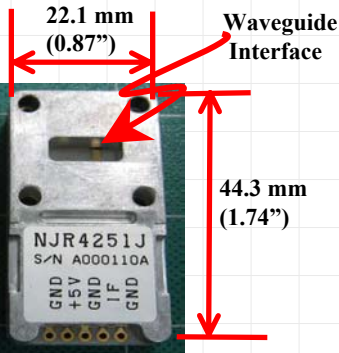
NJR Doppler Modules

K-Band Doppler Cavity Type



Rejection Filter
for Second
Harmonics (48GHz)

K-Band Doppler MIC Types



Single

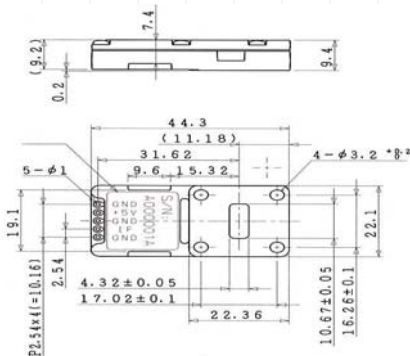


Dual

Same as
the single
except
with two
IFs.

H=9.2 mm
(0.36")

Outline Drawing



NOW Available !

Features for K-Band Cavity Type

- Structure of waveguide interface with flexibility of antenna selection
- Detection Range: maximum detection distances 30 meters.
- Wide Operating Temperature Range (-30 to +55 degrees C)

Features for K-Band MIC Type

- Structure of waveguide interface with flexibility of antenna selection (Patch Antenna, Horn Antenna, etc.)
- Detection Range: maximum detection distance is 20 meters.
- Compliance with CE regulation
- Second Harmonics: 1 micro watt maximum
- Low Current Drain: 50 mA maximum (DC+5V)
- Wide Operating Temperature Range (-30 to +60 degrees C)

Applications

- Safety, Energy conservation, Security, and other applications.

JRC K-Band Doppler Modules Offering

Model No	RF Freq. (GHz)	Type
NJR 4211	24.110	Cavity
NJR 4251	24.110	Single MIC
NJR 4261	24.110	Dual MIC

JRC **NJR CORPORATION**
A SUBSIDIARY OF NEW JAPAN RADIO COMPANY, LTD.

198 Stauffer Blvd. San Jose, CA 95125

NJR CORPORATION offers Bipolar ICs, CMOS ICs, BiCMOS ICs and GaAs MMICs as well as Saw filters, covering North and South America to provide technical assistance and quick delivery for achieving customer satisfactions. For further information, please contact us and ask for applications support:

PHONE : (408) 995-6200, (866) NJR-CORP or WWW.NJR.COM

The World's Best Source for High Quality ICs using Bipolar, CMOS, BiCMOS and GaAs Technologies and Saw filters