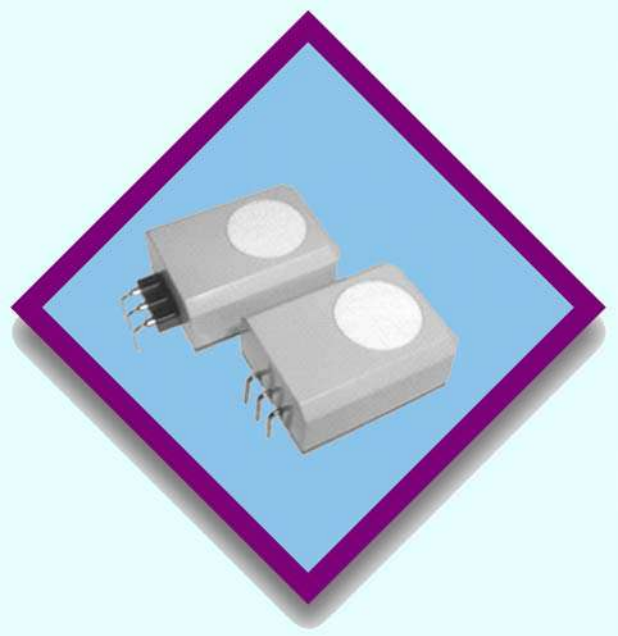
ЗАКАЗАТЬ: NAP-505-RS датчик оксида углерода 0-1000 ppm

NEMOTO SENSORTECH DIVISION
NANO & CYBERTECH DIVISION

TECHNICAL INFORMATION SHEET:
NAP-505 Electrochemical Carbon Monoxide Sensor



General Description:

The NAP-505 Gas Sensor is a new, low–cost 3 Electrode Electrochemical cell designed for the detection and measurement of carbon monoxide in the range 0-1000ppm, in domestic carbon monoxide detectors, fire detectors and air quality monitors.

Specifications NAP-505:

Detectable gas:	Carbon monoxide
Detection range:	0 – 1000 ppm
Output current:	40nA/ppm, +/- 10nA
Repeatability:	+/- 2%
Zero output in clean air:	less than +/-5ppm
Response time ($T_{90\%}$):	< 30 seconds
Temperature drift (zero)	<10ppm (-20 to +50°C)
Long term output drift	<5% per year
Expected lifetime*:	More than 5 years
Weight	2.6g

* measured as time for sensitivity to be less than 40% of original output.

Operating conditions:

Operating temperature:	-20°C to + 50°C
Humidity range (constant)	15-90% RH
Humidity range (intermittent)	0-99%% RH
Pressure:	0.9 – 1.1 atm
Recommended load resistance:	10 ohms
Bias voltage:	Not required
Recommended storage temperature	0-20°C
Recommended storage time	6 months

Further performance data and information on operating characteristics can be found in the Characterisation Document NAP505-CD

Features:

- **3-Electrode design for greater stability**
- **Compact, leak-proof enclosure**
- **Resistant to shocks and vibration**
- **Terminals may be soldered**
- **Linear Output**
- **Highly specific to target gas**
- **Unaffected by humidity**
- **Very low long term drift**
- **Low power consumption**

Nemoto has a policy of continuous development and improvement of its products. As such the specification for the device outlined in the data sheet may be changed without notice

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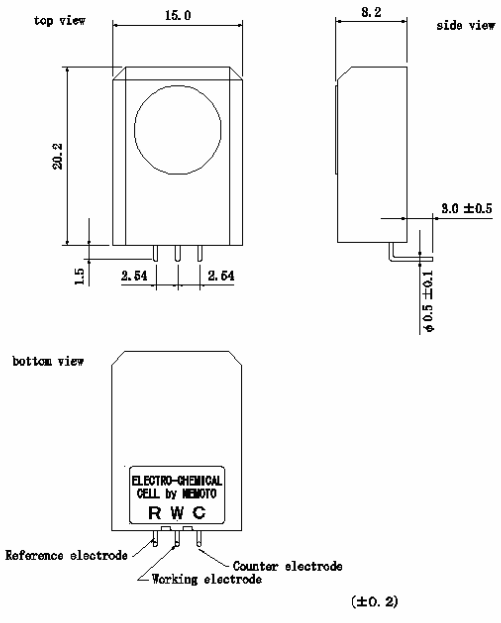
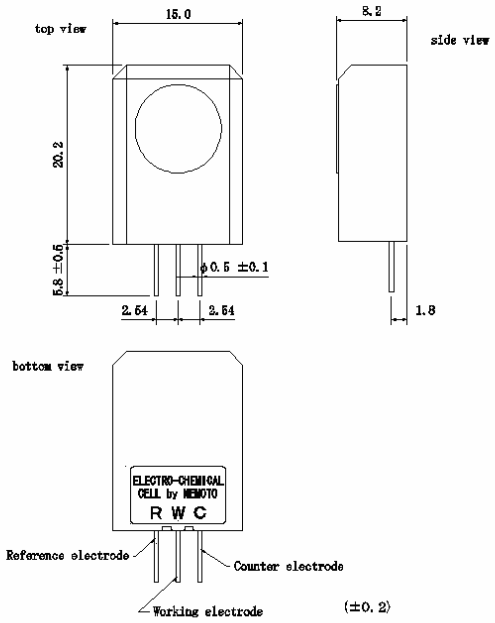
Direct Soldering Model

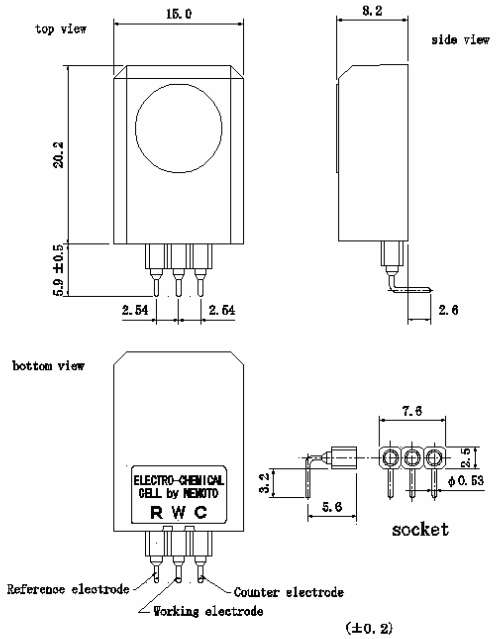


NAP-505R (Right-Angled Solder Pin)

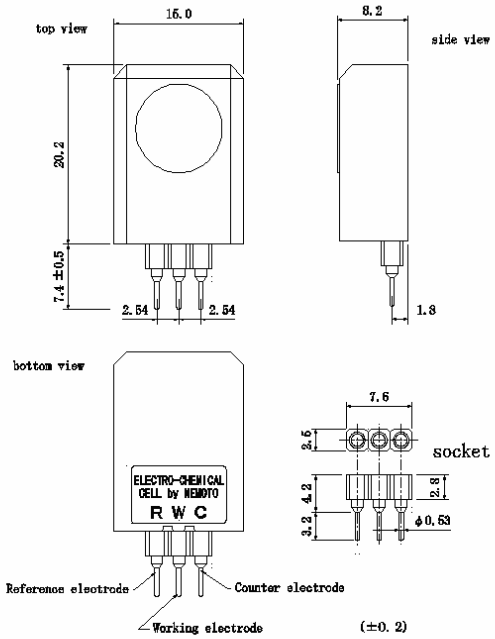


NAP-505S (Straight Solder Pin)

Socket Model



NAP-505RS (Right-Angled Socket)



NAP-505SS (Straight Socket)

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