



Product Specification for Reference Only

Issued Date: 11 March, 2003

Rev.:

Part Description: Pyroelectric Infrared Sensor

MURATA Part No.: IRA-E712ST3

The product specification in this sheet is for reference only.
The contents of this specification are subject to change.

You are requested to receive the latest specification and to return one copy of the specification to us with your receipt signature before going into mass production.

Product engineering section
Sensor module department
Circuit module products division
Murata MFG. Co., Ltd.

1. Scope

This product specification is applied to dual element type pyroelectric infrared sensor IRA-E712ST3 used to detect infrared rays.

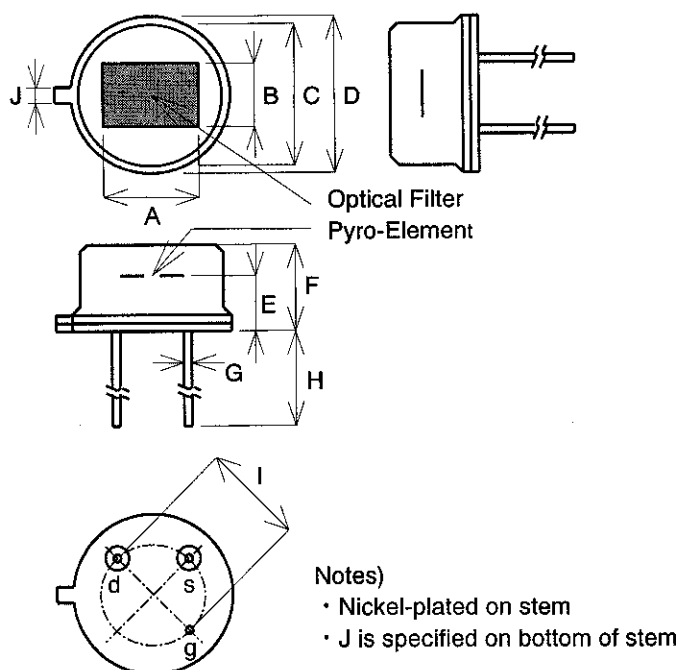
Please contact us when using this products for any other applications than described in the above.

2. Murata Part Number

IRA-E712ST3

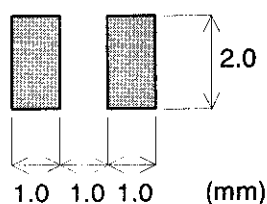
3. Outline Drawing and Dimensions

3-1 Outline Dimensions



Symbol	Dimension
A	4.7±0.1mm
B	3.7±0.1mm
C	8.2±0.1mm
D	9.2±0.2mm
E	3.6±0.2mm
F	5.1±0.2mm
G	0.45±0.05mm
H	11±2mm
I	5.08±0.05mm
J	1.5mm Max.

3-2 Pyroelectric Element



Symbol	Description
d (Drain)	Supply voltage
s (Source)	Output
g (Ground)	Ground

3-3 Equivalent Circuit

