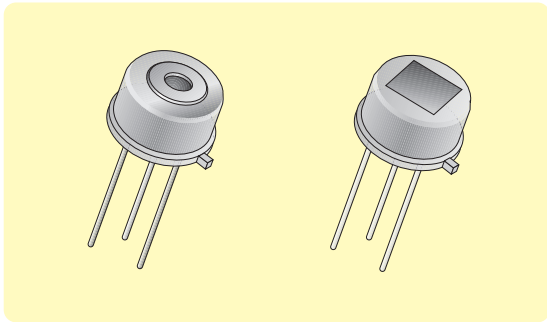


MURATA type IRA, PASSIVE INFRA-RED

A range of passive infra-red sensors which exhibit high sensitivity, offer reliable performance and have improved immunity to RFI and light (superior RFI immunity versions also available). Available in single and dual element, with choice of specification, or quad element which provides an enhanced field of view and the option of dual output.

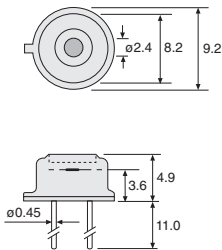


- ◆ Choice of **single**, **dual** or **quad** element
- ◆ High responsivity
- ◆ Wide spectral response
- ◆ High reliability
- ◆ Dual output version provided
- ◆ Superior RFI immunity types available

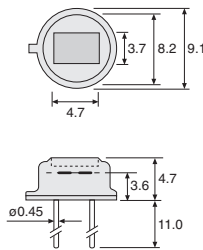


Dimensions (mm) & Connections

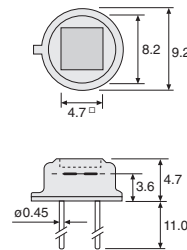
IRA-E410QW1, IRA-E410S1 & IRA-E410ST1



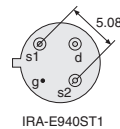
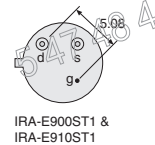
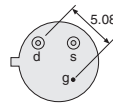
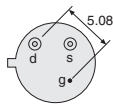
IRA-E700ST0 & IRA-E710ST0 (STANDARD)



IRA-E900ST1, IRA-E910ST1 & IRA-E940ST1

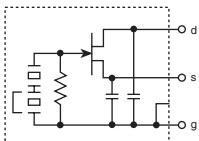


d = drain
s = source (output)
g = ground



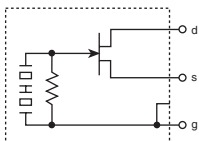
Schematics

Single Element



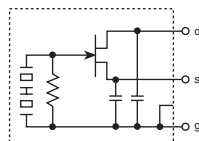
IRA-E410QW1, IRA-E410S1 & IRA-E410ST1

Dual Element



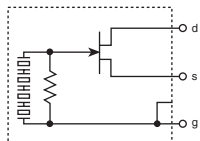
IRA-E700ST0

Dual Element



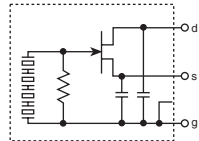
IRA-E710ST0 (superior RFI immunity)

Quad Element



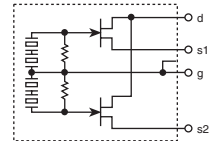
IRA-E900ST1

Quad Element



IRA-E910ST1 (superior RFI immunity)

Quad Element (dual output)



IRA-E940ST1

Manf. Part. No.	Single Element			Dual Element		Quad Element			mV p-p µm Vdc °C °
	IRA-E410QW1	IRA-E410S1	IRA-E410ST1	IRA-E700ST0	IRA-E710ST0*	IRA-E900ST1	IRA-E910ST1*	IRA-E940ST1†	
Sensitivity (500°K, 1Hz)	1.3	3.0	3.3	4.3	4.3	3.3	3.3	3.3	
Spectral response	4.3 max	1-20	5-14	5-14	5-14	5-14	5-14	5-14	
Optical filter	4.3 band pass	Non-selective	5 long pass	5 long pass	5 long pass	5 long pass	5 long pass	5 long pass	
Supply voltage	3-15	3-15	3-15	2-15	2-15	3-15	3-15	2-15	
Operating temperature range	-25 to +55	-25 to +55	-25 to +55	-40 to +70	-40 to +70	-25 to +55	-25 to +55	-25 to +55	
Storage temperature range	-30 to +100	-30 to +100	-30 to +100	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +85	
Field of view	17 x 17	17 x 17	17 x 17	45 x 45	45 x 45	41 x 41	41 x 41	55 x 50	

anglia Order Code IRA-E410QW1 IRA-E410S1 IRA-E410ST1 IRA-E700ST0 IRA-E710ST0* IRA-E900ST1 IRA-E910ST1* IRA-E940ST1†

* superior RFI immunity types † dual output

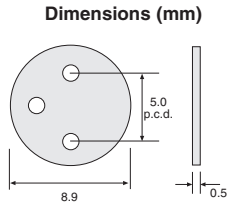
PASSIVE INFRA-RED *continued*

PIR ACCESSORIES

INSULATING PAD



A nylon pad suitable for insulating the Murata IRA type PIR sensors shown on the previous page.



Type	Manf. Part No.	anglia Order Code
Insulating Pad	51A539B	473007



Other Sensor products are available to special order as follows :

- Ultrasonic Receive/Transmit Modules, sealed & un-sealed
- Shock Sensors, surface mount
- Gyrostar, angular velocity sensor

Please contact our Sales Desk for details