

4. Numbering

4-1 Model Name

First and second letters in EP indicate P/N IRA-E712ST3.

4-2 Production Month

Printed on the top of sensor in EIAJ code.

Year	Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2003		a	b	c̄	d	e	f	g	h	j	k	l	m
2004		n	p	q	r	s	t	u	v	w	x	y	z
2005		A	B	C	D	E	F	G	H	J	K	L	M
2006		N	P	Q	R	S	T	U	V	W	X	Y	Z
2007		a	b	c̄	d	e	f	g	h	j	k	l	m

e.g.) Printing on the top of sensor which made in November 2006 : EPY
®

5. Ratings and Characteristics (25°C, 50%RH)

5-1 Responsivity (Rv)

	Min.	Typ.
Responsivity (Rv)	3.6mVpp	4.3mVpp

Responsivity is measured with following system.

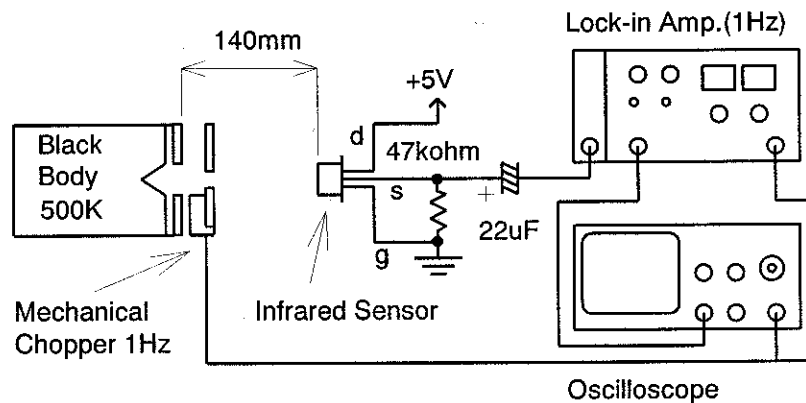


Figure 1. Test system of responsivity

5-2 Balance of Responsivity

Balance	10% Max.
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$$\text{Balance}(\%) = |(Rr - Ri) / (Rr + Ri)| \times 100$$

Rr : Response from right element

Ri : Response from left element

5-3 White Noise Level

White Noise	200mVpp Max.
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Conditions for measurement

- Test circuit : With the circuit shown in figure2.
- Measure Point : Across OUT and GND.
- Record : With Pen-recorder.
- Environment : In the electrically and optically shielded box kept at 25°C.

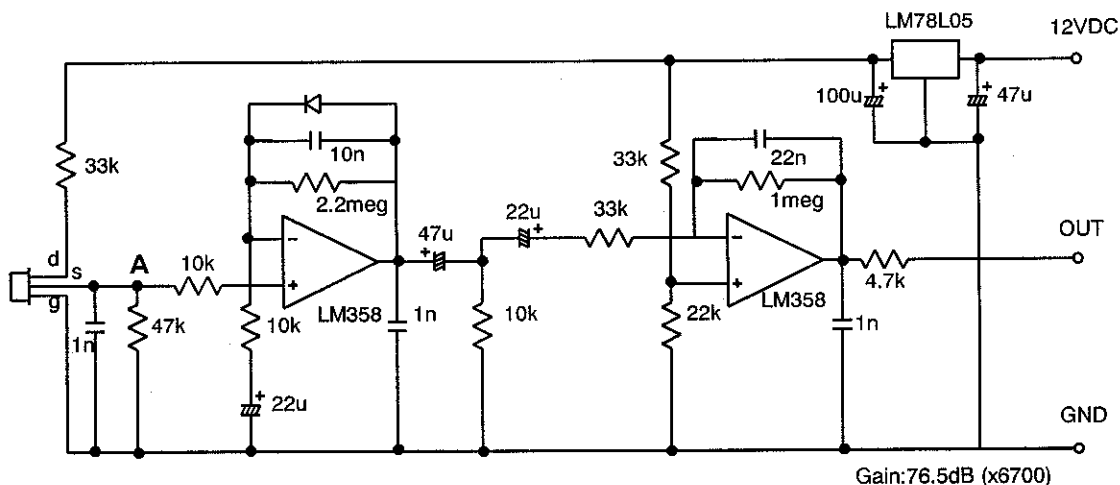


Figure 2. Test circuit

5-4 Source Voltage

Source voltage(Vs)	0.2 to 2.5 V
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Conditions for measurement

- Test circuit : With the circuit shown in figure2.
- Measure Point : Across A and GND.
- Environment : In the electrically and optically shielded and temperature controlled box.

5-5 Warm-up Time

Warm-up time	30sec. Max.
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Conditions for measurement

- Test circuit : With the circuit shown in figure2.
 - Environment : In the electrically and optically shielded box kept at 25°C.
- Warm-up time is defined as time for Source Voltage to reach to specified value from turning on.