

Technical Information of Pyro-electric Infra-red Sensors

(红外线传感器)

TYPE : PIS-209S

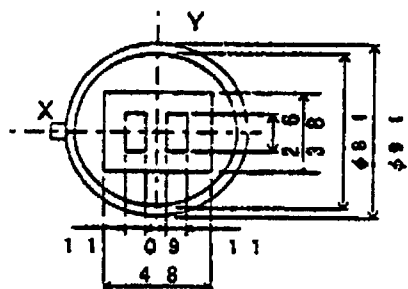
SPEC No. : 1PI209S-KC100

Equivalent Spec. : 1PI209S-KC000

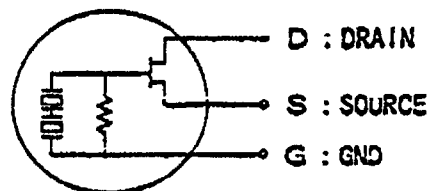
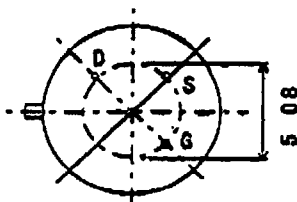
Characteristics 特征		209S	Unit	Test Conditions (20±15°C)
Detector Type		Dual element	-	-
Housing		T0-5	-	-
Responsivity (灵敏度)	min. (最小)	1.19	Vp-p	Chopper, 1Hz Black body, 165°C 40dB Amp Supply Voltage, 5VDC Load Resistance, 47kΩ (负载电阻)
		(130)	(%)	
Noise Voltage (噪声电压)	max (最大)	300	mVp-p	73dB Amp. Supply Voltage, 5VDC Load Resistance, 47kΩ
Source voltage (电源电压)	min. (最小)	0.3	V	40dB Amp.
	typ. (典型)	0.7		Supply Voltage, 5VDC
	max (最大)	1.5		Load Resistance, 47kΩ
Storage temperature (贮存温度)		-20 to +70	°C	-
Operating temperature (工作温度)		-10 to +50	°C	-
Operating voltage (工作电压)	min. (最小)	3	V	DC
	typ. (典型)	5		
	max. (最大)	15		

notes : Load Resistance is connected between Source pin and GND.

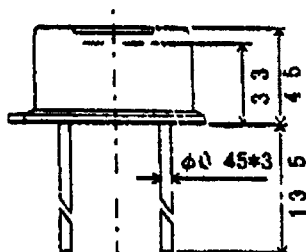
TOP VIEW (上视图)



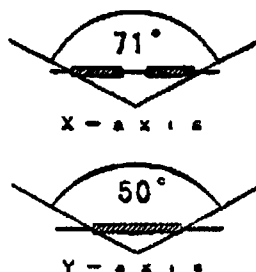
BOTTOM VIEW (下视图) CIRCUIT DIAGRAM (电路图)



SIDE VIEW (侧视图)



FIELD OF VIEW

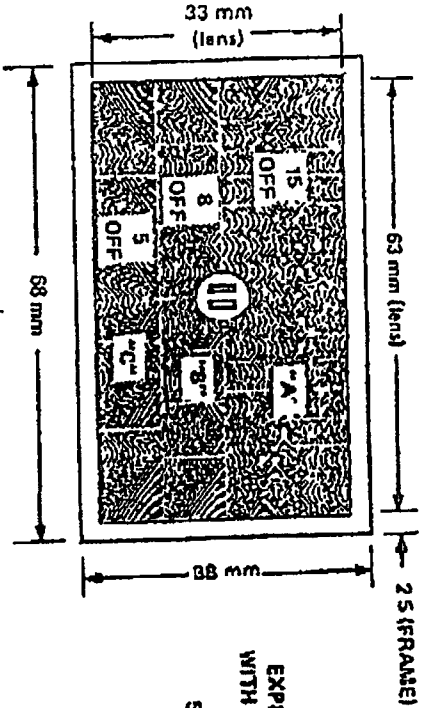
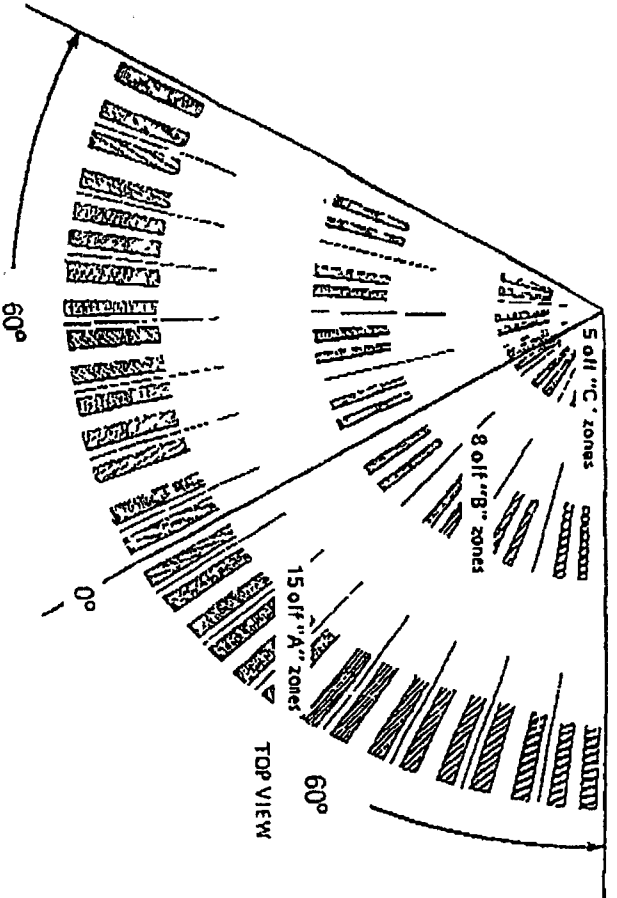


DAISHINKU Corp.

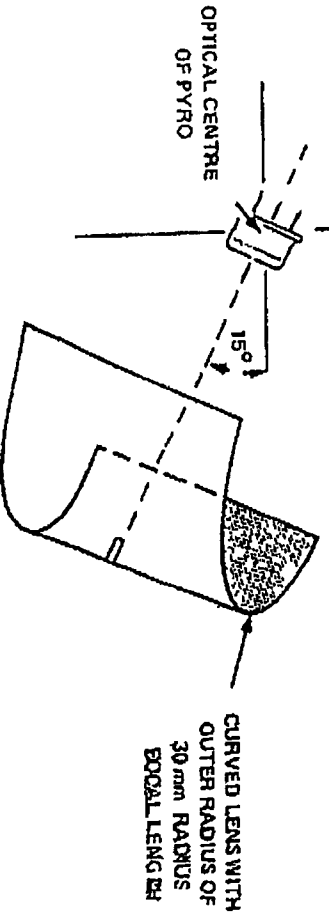
FRESNEL LENS

MULTISEGMENT (28)
EXTRA-WIDE ANGLE LENS
IN 3 PLANES.

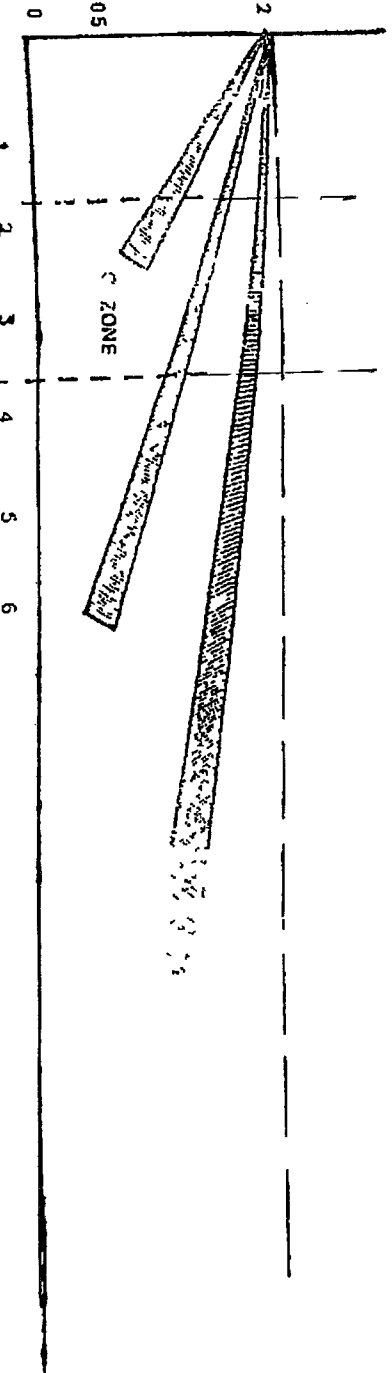
WILL GIVE 56 DETECTION ZONES OVER 120° WHEN USED WITH A DUAL ELEMENT
PYROSENSOR HAVING MINIMUM 120° FIELD OF VIEW.



EXPECTED SIGNAL FROM TARGET
WITH TEMPERATURE DIFFERENTIAL
OF 6°C AT 10 METRES IS
500 NANOWATTS PK TO PK



SIDE VIEW



欢迎索取免费详细资料、设计选型指南和光盘、样品；产品繁多未能尽录，欢迎来电查询。

中国传感器科技信息网：[HTTP://WWW.SENSOR-IC.COM/](http://WWW.SENSOR-IC.COM/)

工控安防网：[HTTP://WWW.PC-PS.NET/](http://WWW.PC-PS.NET/)

消费电子专用电路网：[HTTP://WWW.SUNSTARE.COM/](http://WWW.SUNSTARE.COM/)

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