

Technical Information of Pyro-electric Infra-red Sensors

TYPE : PIS-209S

SPEC. No: 1P1209S-KC100

Equivalent Spec. : 1P1209S-KC000

Characteristics	209S	Unit	Test Conditions (20±15°C)
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ITEM	項目	UNIT	単位	MODEL	型名
Responsivity	感度	Vp-p		PIS-209S	PIS-204S
Noise Voltage	雑音電圧	mVp-p		1.19 ~ ※1 ~300 ※2	1.19 ~ ※1 ~300 ※2
Transmittance	応答波長範囲	μm		5~14	5~14
Supply DC Voltage	電源電圧	V		3~15	3~15
Source Voltage	γ-λ電圧	V _{oe}		0.3~1.5	0.3~1.5
Operating Temp.	動作温度範囲	°C		-10~+50	-10~+50
Storage Temp.	保存温度範囲	°C		-20~+70	-20~+70
Application	用途	—		General SW.	汎用スイッチ

※1: chopper 1Hz, Black Body 165°C, 40dB amp, Supply Voltage 5V, Load Resistance 47Ω
 ※2: 73dB amp, Supply Voltage 5V, Load Resistance 47kΩ

外形寸法

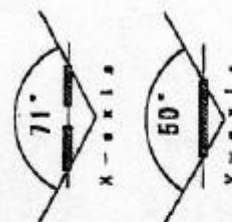
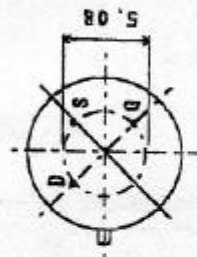
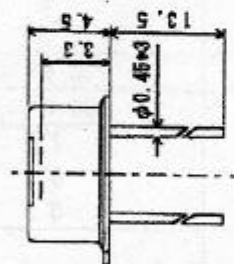
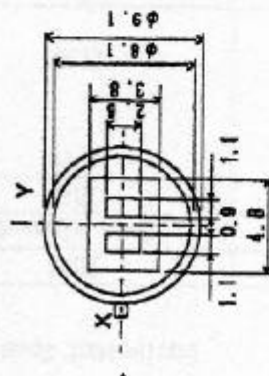
■ DIMENSIONS

TOP VIEW
(PIS-209S)

SIDE VIEW 侧面

BOTTOM VIEW 底面

FIELD OF VIEW 視野角

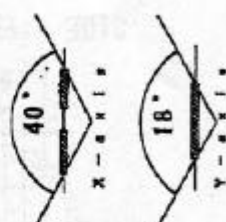
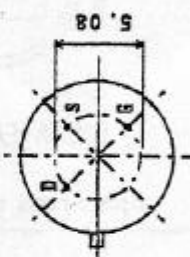
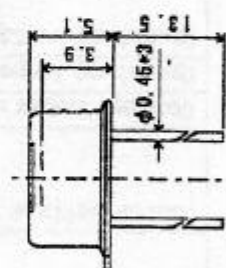
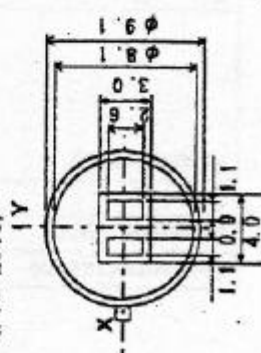


TOP VIEW 上面
(PIS-204S)

SIDE VIEW 側面

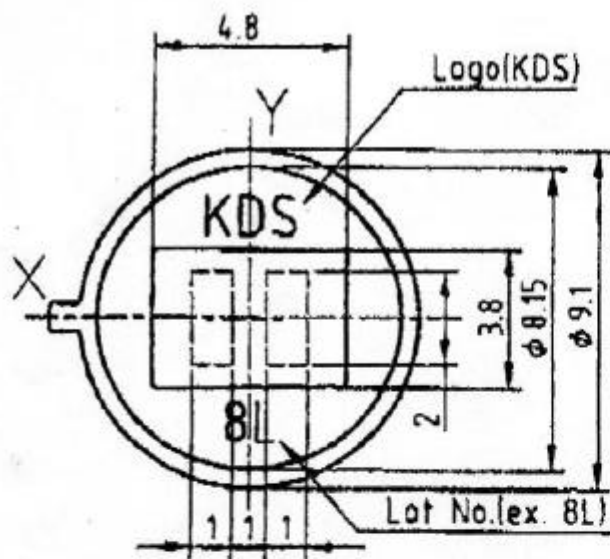
BOTTOM VIEW 底面

FIELD OF VIEW 視野角

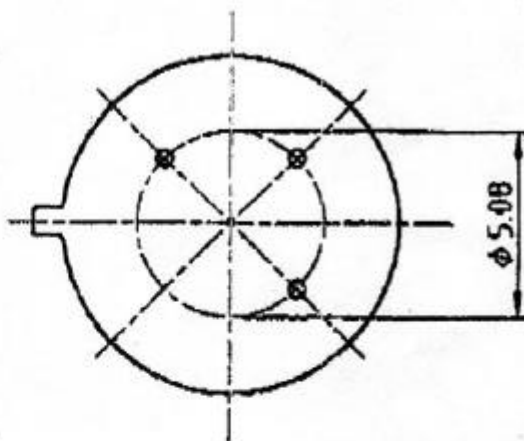


MOBICON

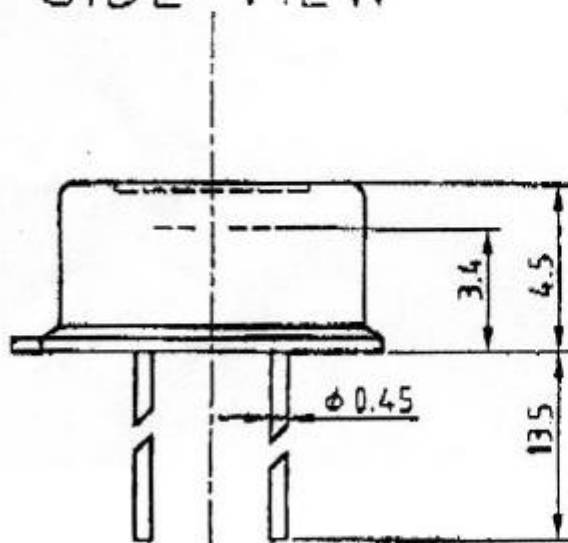
TOP VIEW



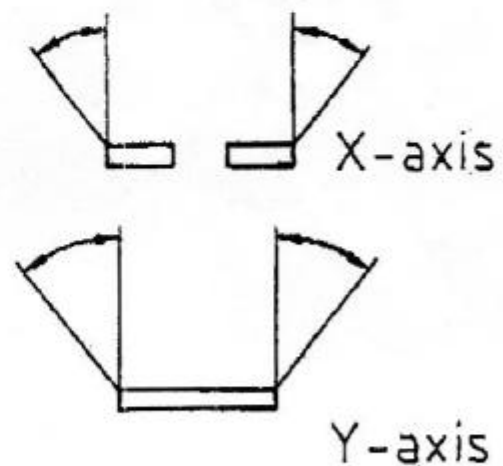
BOTTOM VIEW



SIDE VIEW



FIELD OF VIEW



(UNIT:mm)

PI-8041

Title				Trigonometry	Unit:MM	Scale
PIS-209S OUTLINE DIMENSIONS						
Date	Designed	Checked	Approved	Drawing No.	Rev.	Page.
1998/09/22				DB-CD0505		1/1

MOBICON
Electronic Components