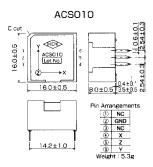
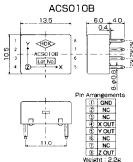


3 Axis Acceleration Sensors

ACS010







Item		ACS 010	ACS 010B	Unit	
Conditions of Us	age				
Storage Temp. R	ange	-20~+60	-20~+60	τ	
Working Temp. I	Range	0~+40	0~+40	r	
Acceleration Detecting Range		±10	±10	G Max.	
Temp. of Soldering※		Max. 230	Max. 230	${\mathfrak C}$	
Shock		1000 1000		G	
Electrical Charac	teristics	(Ta=25℃)			
Sensitivity of	X	21.0±25%			
Acceleration	Y	21.0±25%	10.0±20%	mV/G	
Detection	Z	14.5±25%			
Linearity of Sens	itivity	±5	±5	%FS	
Sensitivity Ratio to other axes		±30	±20	%	

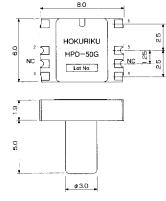
*Max. 5 sec. Reflow shall not be used.

New

Pressure Sensor

■ HPD-50G





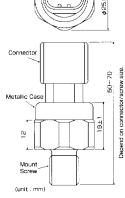
Item	HPD-50G	Unit	Unit Item		HPD-50G	Unit		
Rating and Operating Co	onditions		Electrical Performance (Icc=0.5mA, Ta=25°C)					
Rated Pressure	50(0.51)	kPa (kg/cm²)	Output S	pan Voltage	40~100	mV		
Drive Current (Constant Current)	0.5	mA	Offset Vo	oltage	±10	mV		
Type of Pressure	Gauge Pressure		Bridge R	esistance	7000~10000	Ω		
Pressure Medium	Noncorrosive gas		Linearity		±0.3	%FS		
Max. Rating			Pressure	and Hysteresis	±0.7	%FS		
Max. Pressure	100 (1.02)	kPa (kg/cm²)	Temp.	Offset Voltage	±5	%FS		
Max. Current	l	mA	Characteristics	Span Voltage	±2.5	%FS		
Operating Temp. Range	-30~+70	r						
Storage Temp. Range	-40~+80	r	1					

**Temperature characteristics are measured from 0 to 50℃.

New

Capacitive Pressure(CP) Sensor





Item	Symbol	Specifications	Unit	Remarks
Rated Pressure Range	Pin	1, 1.5, 3	MPa	Three left types are standard.
Proof Pressure	Ppr	Pin×1.5	MPa	To be applied for 10 minutes Max.
Operating Temperature	Та	-30~+120	${\mathfrak C}$	
Storage Temperature	Ts	-40~+130	${\mathfrak C}$	
Supply Voltage	Vin	4.5~5.5	v	
Withstanding Voltage	Ve	7(Max.)	V	
Output Voltage Range	Vout	0.5~4.5 (Vin=5V)	v	
Accuracy (-30~120℃)		± 3.0 (± 2.0 by special order)	%SPAN	Including linearity, temp. characteristics, hysteresis.
Ratiometricity Error		±2.0	%/V	
0		50 (Min.)	kΩ	When applied with a pull-down load
Output Load	RL	5(Min.)	kΩ	When applied with a pull-up load
Supply Current	Ic	12 (Max.)	mA	

 $\langle Ordering\ Information \rangle - HCP = \underbrace{1.5}_{\bigcirc} = \underbrace{M}_{\bigcirc}$

① Rated pressure Mark Pressur

1 1MF
1.5 1.5MF

② Pressure Medium M: Mineral oil R: Refrigeration medium

Dew Sensors

■ HDP-05



Element Size(mm)	ltem	Applications
HDP-05 (W) (L) (t) 6×8×0.64	Working Voltage ; AC, DC $0.8V$ Max. Working Temperature Range ; $-10 \sim 60$ °C Working Humidity Range ; $0 \sim 100$ %RH Response Within 10 sec. { HDP-05 $100k \Omega$ Min. } HDP-07 $200k \Omega$ Min.	VCR, Camera, Duplicator, etc.
(W) (L) (t) 5.2×5.2×0.64	Resistance 75%RH 93%RH 100%RH	



Humidity Sensors

■ HIS-02-E

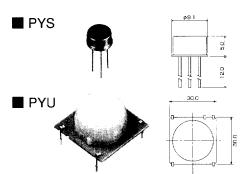


■ HSU-03-17



Dimensions(mm)	Item	Applications
HIS-02-E (W) (L) (t) 11.8×14.5×4.5	Working Temp. Range ; $-20\sim60^{\circ}$ C Working Humidity Range ; $20\sim90\%$ RH Impedance ; $55\text{k}\Omega$ ($50\pm5\%$ RH) Rated Voltage AC1V Sine wave and rectangular wave (Duty 1 : 1) Recommended Frequency 1kHz	Airconditioner, Dehumidifier, Humidifier, Fan Heater, Medical instruments, Printer, Duplicator,
HSU-03-17 (W) (L) (t) 18.0×34.0×10 Max.	Working Temp. Range; −20~60°C Working Humidity Range; 20~90% RH Detective Output Voltage; 40%RH: DC1.520V 60%RH: DC2.140V Rated Voltage; DC5V±5%	Warehouse, Greenhouse, etc.

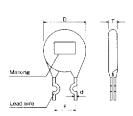
Pyroelectric Infrared Sensors

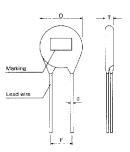


Туре		Item	Applications		
Sensors PYS Series	VSUP TOPR TSTG Rv Balance Package	DC3.0~15.0V -25~+70°C -40~+100°C 1200V/W 10% Max. TO-5	Automatic door Light control Intruder alarm Visitor detection Toilet flush Auto ventilation		
Sensor units (with Fresnel lens) PYU Series	VSUP TOPR TSTG Output Gain Timer	DC5.0V $-20 \sim +60^{\circ}$ C No dew drops to be produced. $-30 \sim +70^{\circ}$ C No dew drops to be produced. open collector $54 \sim 68 dB$ $0 \sim 3$ minutes. To be attached separate y	Тоу		

PTC Thermistors

■ Lead Type





For Overcurrent Protection

	Initial Characteristics									Dimensions				
Part No.	Resistan	Rate		Resistance R 25 Max.		Max.	Operating	g Curren:	Non-operat	ing Current	D	т	Lead	Wire
Tall 110.	(Ω)			Current	Temp.	Curren:	Temp.	Current	(mm)	(mm)	(m	m)		
	(11)	(70)	(V)	(A)	(°C)	(mA)	(°C)	(mA)	Max.	Max.	d	F		
PCR-R55M100-15 🗆 🗆 🗆	0.55	±20	DC 16	5.0	25	2000	25	700	18.0	5.0	ø 0.6	10.0		
PCR-3R9M120-07 [[3.9	±20	DC 35	1.5	25	480	25	290	9.6	3.5	ø 0.6	5.0		
PCR-100M120-05 [[10.0	±20	DC 35	0.9	25	280	25	170	7.4	3.5	ø 0.6	.5.0		
PCR-3R9M120-12 [[[]	3.9	±20	DC 56	1.5	-10	800	60	340	13.0	5.0	ø 0.6	5.0		
PCR-090M120-12 [[[[9.0	±20	DC 56	2.9	25	405	25	270	12.5	4.0	₫0.6	5.0		
PCR-250X120-06 [[25.0	±25	DC 80	1.0	25	300	25	110	8.0	4.5	ø 0.6	5.0		
PCR-060X080-15 [[[[6.0	±25	AC265	4.1	25	350	25	170	18.0	5.5	ø 0.6	5.0		
PCR-100X120-14 [[[[10.0	±25	AC265	2.2	25	400	25	200	15.5	7.0	ø0.6	5.0		
PCR-250X120-07 □□□□	25.0	±25	AC265	1,0	25	200	25	100	9.0	7.0	₫ 0.6	5.0		

For Overcurrent Protection (UL1459 50A Corresponding Product)

Γ			Initial Characteristics									Dimensions			
Part No.		Resistance R 25 Max.		Max.	Max.	Operating Current		Non-operating Current		D	Т	Lead	Wire		
ı	Tutt 110.	(0)	(%)	Rated Voltage	Current	Temp.	Curren:	Temp.	Current	(mm)	(mm)	(m	m)		
ı		(42)		(V)	(A)	(℃)	(mA)	(℃)_	(mA)	Max.	Max.	d	F		
Γ	PCR-120N090-12 [[[12.0	±30	AC 250	0.6	-10	330	60	90	15.0	6.0	\$ 0.6	5.0		
L	PCR-390N120-09 [[[39.0	±30	AC 250	0.6	25	260	50	100	10.0	6.0	ø 0.6	5.0		

For Degaussing Circuit (Lead Type)

For Degaussing Circuit (Lead Type)												
			Ini	Dimensions								
Part No.	Resista	nce R 25	S . 137 L		Attenuation (n	ъАр-р)	D	T	Lead	Wire		
Tall 140.	(Ω)	(%)	Rated Voltage	Rush	After 3 sec.	After 60 sec.	(mm)	(mm)	(m	m)		
	/ 75 /	(70)	(ACV)	(AP-P)	(mAp-p)	(mAp-p)	Max.	Max.	d	F		
PAR-050M050-15I	5.0	±20	100	≥25	≤300	≤60	19.0	7.0	ø 0.6	7.5		
PAR-080M050-14I	8.0	±20	120	≥16	≤300	≦60	18.0	7.0	ø 0.6	7.5		
PAR-180N050-14I	18.0	±30	220	≥15	≦300	≤40	18.0	6.8	ø 0.6	10.0		
PAR-200N050-14I	20.0	±30	220	≥15	≦300	≤40	18.5	6.5	ø 0.6	10.0		
PAR-250N050-12I	25.0	±30	220	≥ 8	≦220	≤50	15.0	7.0	ø 0.6	10.0		

For Heater

,		Dime	nsions				
Part No.	Resistar	ice R ₂₅	Rated Voltage	Max.Current	Temp. Rise	D	T
	(Ω)	(%)	(v)	(A)	(℃)	(mm)	(mm)
PFE-100M090-100 🗆	10.0	±20	DC 15	1.5	separate spec.	ø 10.0	2.5
PFE-200M100-100 🗆	20.0	± 20	DC 15	1.1	separate spec.	ø 10.0	2.5
Ring Heater			AC100	0.5	separate spec.	separate spec.	

^{*}Type No, Characteristics and dimensions in this catalog are for reference only. For details, please inquire at our sales office.