■ FEATURES

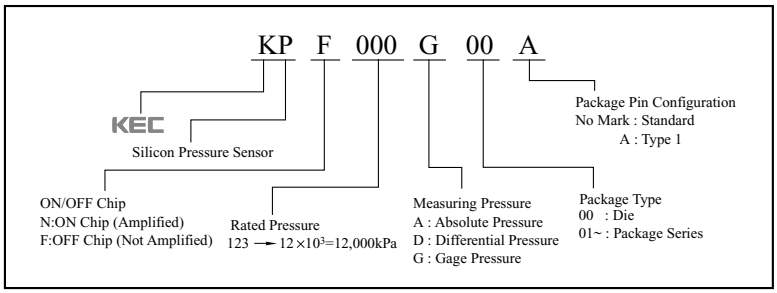
· Broad Pressure Range : 0~5MPa
· High Sensitivity and Excellent Linearity
· Piezoresistance type Silicon Pressure Sensor
· MEMS and Semiconductor Technology
· Amplified and Temperature Compensated.
· Voltage Output

PPM3

■ APPLICATIONS

· Industrial Instrument
· High Pressure Apparatuses
· Home Appliances.
· Air Conditioner.

■ MODEL NUMBER FOR ORDERING



■ MAXIMUM RATING

ITEM	SPEC					UNIT
Model No.	KPF102G07	KPF202G07	KPF302G07	KPF402G07	KPF502G07	-
Classification	102	202	302	402	502	-
Rated Pressure	1	2	3	4	5	MPa
	10	20	30	40	50	Bar
Operating Temperature	-20~70					℃
Storage Temperature	-20~80					℃

■ ELECTRICAL CHARACTERISTICS

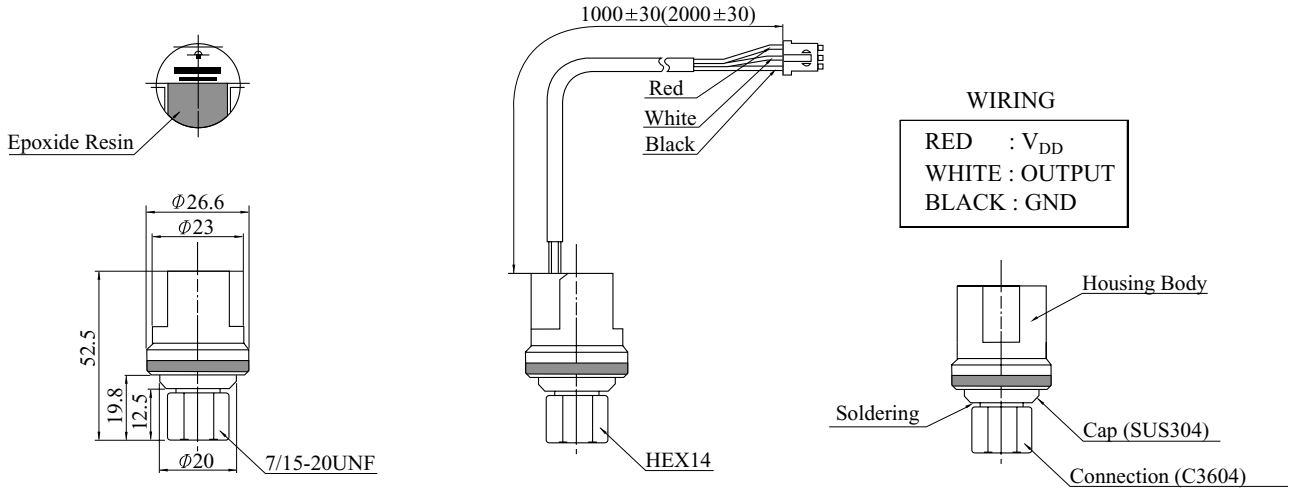
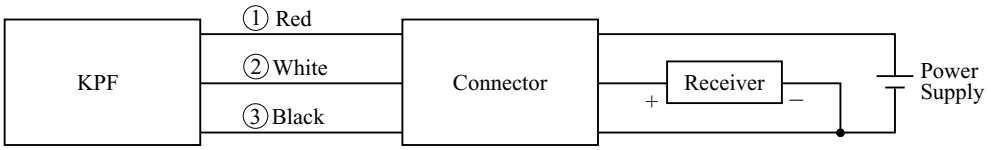
ITEM	SPEC					UNIT
Classification	102	202	302	402	502	-
Supply Voltage	5.0 DC ±5%					V
Output	0.5 to 4.5 (0.5 to 3.5)					V
Accuracy	±3 (Including Non-linearity, Temperature Characteristic, Hysteresis)					% FS
Current Consumption	Max. 7					mA

Comment) 1. Operating humidity 25~80%RH (unless otherwise noted)
2. Please, consult us when you use any other pressure media except air or coolant.

■ RELIABILITY TEST

ITEMS		TEST CONDITIONS
Life Test	High Temp. Storage	120℃, 1000hrs
	Low Temp. Storage	-40 ℃, 1000hrs
	Steady State Operating	25 ±5℃, 1 million times, Rated Pressure
	Low Temp. Operating	-20 ℃, 1 million times, Rated Pressure
	High Temp. Operating	100℃, 1 million times, Rated Pressure
	Temperature / Humidity Operating	40 ℃, 90%RH, 1 million times, Rated Voltage
Environment Test	Heat Resistance	260℃, 10 seconds
	Temp. Cycle	-40 ℃~120 ℃, 30minutes/1Cycle, 100Cycles
Mechanical Test	Vibration	Amplitude : 1.5mm, Frequency : 10~55Hz, X, Y, Z(3-directions), 2 hrs each direction
	Drop	75cm height, 2 times
	Lead Fatigue	Tensile Strength : 9.8N(1kgf), 10seconds Bending Strength : 4.9N(0.5kgf), Right/Left 90°, 1time

■ DIMENSIONS (Unit : mm)



■ WIRING DIAGRAGM