

Hermetic Seal

TO SERIES



■ Features

- High airtight and high insulation
- Excellent corrosion resistance, moisture resistance and solderability
- Uniform plating processing

■ Applications

- Infrared Sensor, Gass Sensor, Photo Sensor

■ Standard Specification

Item	Type	TO-5			TO-46
Model		2P3L	4P4L	7P8L	3P4L
Input and Output Terminals (GND Terminals)		2 (1)	4 (0)	7 (1)	3 (1)
Component	Shell	Kovar / Fe			
	Lead	Kovar / FeNi(50Alloy)			
	GND Lead	Kovar / FeNi(50Alloy), Ag - Cu			
	Glass	borosilicate glass			
Coat		Ni-P/Au			
Airtight		$\leq 1 \times 10^{-9} \text{ Pa} \cdot \text{m}^3 / \text{sec}$			
Insulation		$\geq 1000 \text{ M}\Omega$ [at : 500V]			
Operating Temperature Range		-40 ~ + 125 °C			
Storage Temperature Range		-40 ~ + 125 °C			

Consult our sales representative for other specifications.

■ Dimensions[mm]

TO-5 2P3L		TO-5 4P4L		TO-5 7P8L		TO-46 3P4L	
Pin No.	Connection	Pin No.	Connection	Pin No.	Connection	Pin No.	Connection
#1	GND(Ag-Cu coating)	#1-#4	Input and Output Terminals	#1	GND(Ag-Cu coating)	#1	GND(Ag-Cu coating)
#2-#3	Input and Output Terminals	※No GND terminal		#2-#8	Input and Output Terminals	#2-#4	Input and Output Terminals
	TO-5 2P3L	TO-5 4P4L	TO-5 7P8L	TO-46 3P4L			
A	φ9.10	φ9.15	φ9.05	φ5.31			
B	φ7.60	φ7.62	φ7.60	φ4.22			
C	φ5.08	φ5.08	φ5.84	φ2.54			
D	φ0.44	φ0.55	φ0.44	φ0.44			