

GCD Isolated Diaphragm for Pressure Sensor

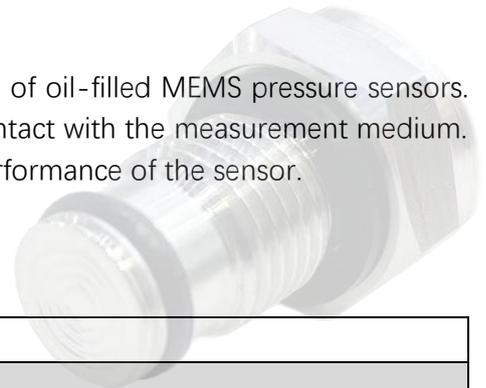
Feature

- ✓ Flat outer edges without warping
- ✓ Uniform axial elasticity of corrugations
- ✓ High repeatability with low hysteresis
- ✓ Stress-relieved
- ✓ Excellent mechanical properties



Introduction

Metal diaphragms are essential components in the manufacturing of oil-filled MEMS pressure sensors. Its function is to isolate the pressure-sensitive chip from direct contact with the measurement medium. The physical properties of the diaphragm directly influence the performance of the sensor.



Diaphragm Order Guide

GCD	Isolated Diaphragm					
	Code1	Wave Shape				
	R	Half Round				
	T	Triangle				
		Cod2	Diameter			
		120	12mm			
		180	18mm			
		184	18.4mm			
		188	18.8mm			
		320	32mm			
			Code3	Thickness		
			50	0.05mm		
			25	0.025mm		
			Code4	Material		
		M1	316L, 1.4404			
		M2	316L, 1.4435			
M3		Tantalum				
M4		Titanium				
GCD	R	184	25	M2		

Complete type sample: GCD-R-184-25-M2