

GCD Diaphragm

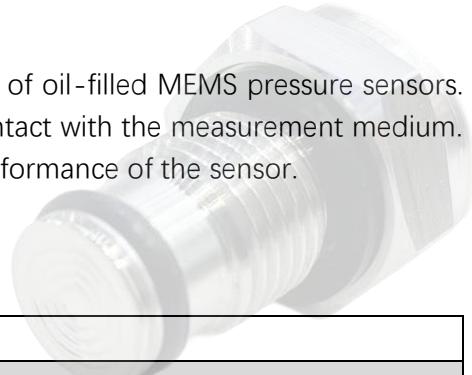
Feature

- ✓ 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	Diaphragm For Oil-filled Pressure Sensor		
	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