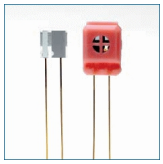
Detaylı Bilgi İçin Ürün Resmine Tıklayınız



Bu sensörlerin çalışma prensibi, yapıldığı polimerin higroskopik özelliklerine bağlıdır. Burada polimer ko

Ürün Özellikleri

- Kapasitif ince film sensörü
- Ölçüm aralığı: RH% 0-100, Sıcaklık: -30 - +200 °C
- Karışım oranı: 250 g su / Kg kuru hava
- Düşük histerezis
- Tepki süresi: 4 saniye

Teknik Özellikler

H5000	**H5100**
Response time 90% of scale for a step change from 11% to 75% RH	4 sec	4 sec
Operating range	
Humidity	
Temperature	

Pressure		
0–100% RH		
-30 to +200°C		
0.04–30 bar (0.6-400 psi)		
0–100% RH		
-30 to +100°C		
0.04–30 bar (0.6-400 psi)		
Mixing ratio	250g water / Kg dry air	
Nominal capacity 75% RH @ 25°C	500 pF ±10%	
Sensitivity 11-75% RH @ 23°C	0.86 pF/% RH	
Linearity 11–90% RH @ 23°C	±2.5% RH	
Long term stability (12 months) at 23°C	<1% RH	@ 11% RH
Maximum air speed (without protection)	<2 m/sec	
Hysteresis	Typical value = 0.5% RH	
D Factor loss tangent @ 1 KHz	Typical value = 0.02	@ 23°C
Supply voltage		
Peak-to-peak	2.5 V AC	
DC component < 0.2 V		
Operating frequency range	5–300 KHz	
Protection cap	No	Yes
Weight	0.1g	1g