

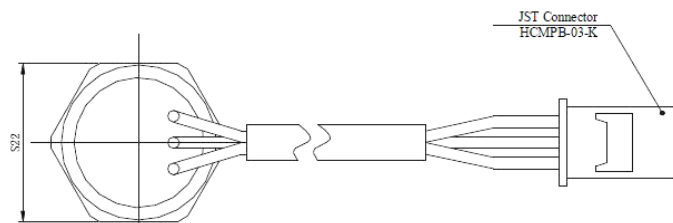
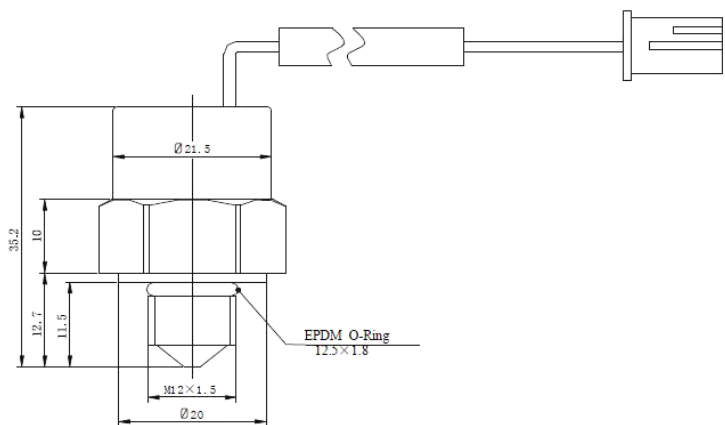
Ceramic Piezo-Resistive Thick Film Pressure Transducer

EST31381-C Pressure Transducer

Application: Ceramic resistance sensor | Ratio voltage output | Over-voltage protected | Reverse voltage protected | Short circuit protected | Pressure transmitter to test 32.5% NH CONH for SCR system

Specification	
Pressure Range	0~1MPaG
Output Voltage (Vout)	10%~90%Vcc
Accuracy	±1.5%F.S
Medium Temp.	-11~85℃
Operating Temp.	-40~85℃
Proof Pressure	2X
Burst Pressure	3X
Response Time	10ms
Stability	±0.5%/F.S/Y
Supply Voltage (Vcc)	4.75~5.25Vdc
Supply Current	≤8mA
Output load Resistance	≥10KΩ
Output Load Capacitance	≤1000pF
Overvoltage Protection	16Vdc
Reverse Voltage	-16Vdc
Short Circuit Protected	Yes
Insulate Resistance	≥20MΩ @100Vdc
Ingress Protection	IP65
Vibration	10g,5~2000HZ X/Y/Z
Shock	20g, 11ms, half-sine
Housing Material	Aluminum
Seal Material	EPDM

Dimension & Connection



Color of Line	Define	Sign	JST_Pin
Black	Power negative and common pin for signal	GND	3
Red	Power positive	Vcc	1
White	Signal output for sensor	VOUT	2

Only use the pressure sensor to test the medium which have no corrosion to its housing and seal material.
 Cannot use sharp tools to clean the pressure hole when the hole of the pressure sensor is blocked. The pressure sensor shall be removed from system and put the pressure hole part into the fluid which can dissolve the blocking substance.