

Specifications-C00Y4X

MODEL NUMBER		UNIT	C00Y40	C00Y41	C00Y42
PERFORMANCE					
Sensitivity ¹		pC/g	0.3	0.5	1
		pC/(m/s²)	0.03	0.05	0.1
Measurement Range		g	±20000	±10000	±5000
Non-Linearity ³		%	per10000g 3% 1		
Frequency Range	± 5%	Hz	-	-	-
	±10%		5-11k	5-11k	5-11k
Resonance Frequency ²		Hz	≥85k	≥85k	≥85k
Discharge Time Constant ²		s	-		
Transverse Sensitivity		%	≤5		
ELECTRICAL					
Capacitance		PF	180	300	150
Resistance		Ω	≥1×10 ¹¹	≥1×10 ¹¹	≥1×10 ¹¹
Electrical Isolation		Ω	-	-	-
ENVIRONMENTAL					
Sinusoidal Vibration Limit ⁴		g	-	-	-
Shock Limit ⁴		g	25000	20000	12000
Temperature Range		°C	-50~230		
		°F	-58~446		
Temperature Response ²		%/°C	0.06		
PHYSICAL					
Sealing		-	Laser welding IP68		
Sensing Element		-	Piezoelectric ceramics		
Housing Material		-	Titanium alloy		
Size	mm		14.2×14.2×10	14.2×14.2×10	14.2×14.2×10
	in		0.559×0.559×0.394	0.559×0.559×0.394	0.559×0.559×0.394
Electrical Connector		-	M5×3 (Opt. 10-32)		
Mounting Thread		-	4.1THRU/M5		
Weight ²	g		8	8	8
	oz		0.282	0.282	0.282

Additional Information

Note:

1. @ 160Hz, 1g
2. Typical values
3. JBT 6822-2018 7.12.1 Vibration Testing Method
4. References the mechanical structure of the sensor not being damaged in a non powered state, rather than in a working state

C00Y4X

Supplied Accessories:

- Product Verification Report
- Install Screws

OPTIONAL VERSIONS

-A: 10-32 Output Connector

COMPLIANCE WITH STANDARDS



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