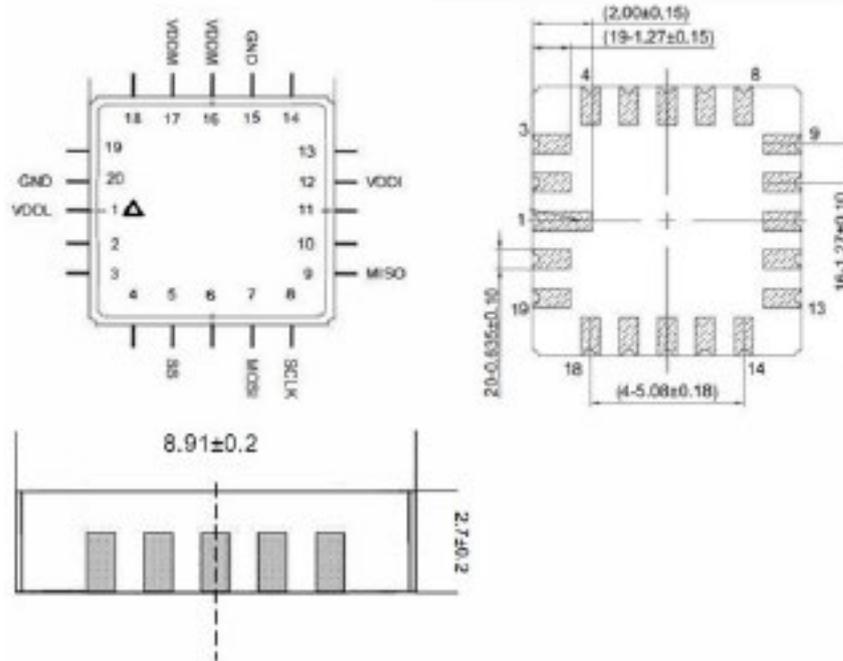


BS-GL18-450-D1CS is a single-axis MEMS gyroscope

- Digital output
- Wide measurement range
- Wide bandwidth
- Small size and light weight

(VDDM = 2.7 V to 3.6V, VDDI = 1.65 V to 3.6 V, GND = 0 V, TOPR = -40 °C to +85 °C)

Parameter	Condition	Min.	Type.	Max.	Unit
Scale factor	16bit, FS = 1x setting		264	-	LSB/(°/s)
	16bit, FS = 4x setting		66	-	
	24bit, FS = 1x setting		67584		
	24bit, FS = 4x setting		16896		
Scale factor tolerance	Ta = +25 °C	-2	-	+2	%
	Ta = +25 °C The value includes after the shipment.	-4	-	+4	%
Scale factor variation over temperature	VDDM = 3 V, Ta=25 °C reference	-3	-	+3	%
Bias	Ta = +25 °C	-	0	-	LSB
Bias tolerance	Ta = +25 °C	-1	-	+1	°/s
	Ta = +25 °C The value includes after the shipment.	-2	-	+2	°/s
Bias variation over temperature	VDDM = 3 V, Ta = +25 °C reference	-1	-	+1	°/s
Rate range	FS = 1x setting	-115		+115	°/s
	FS = 4x setting	-450		+450	
Non-linearity		-0.25	-	+0.25	%FS
Cross-axis sensitivity	Ta = +25 °C	-5	-	+5	%
Current consumption		-	1150	1400	µA
Sleep current		-	1	30	µA
Noise density		-	0.0015	-	(°/s)/√Hz
Bandwidth			500		Hz



C O N T A C T
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