



BS-IC30C-M-D6EC is a MEMS inertial measurement unit (IMU)

- Analog of STIM300
- Models with other ranges are available
- Digital output signal

	Parameter	Test conditions	Typ. value	Unit
Gyroscope	Dynamic measuring range		±500	°/s
	Bias instability	Allan variance, better than	0.3	°/h
	Random walk		0.06	°/√h
	Scale factor nonlinearity		0.01	%
	Bandwidth	-3 dB	200	Hz
Accelerometer	Dynamic measuring range		±16	g
	Bias stability	Allan variance	20	μg
	Random walk		0.08	m/s/√h
	Scale factor nonlinearity		0.02	%
	Bandwidth		250	Hz
	Communication interface		1-way RS-422 UART	
	Voltage	DC	5	V
	Working temperature		-40...+80	°C
	Dimensions		44.6x38.6x21.5	mm
	Weight		65	g

