



Table 5. Filter Capacitor Selection, C_X , C_Y , and C_Z

Bandwidth (Hz)	Capacitor (μF)
1	4.7
10	0.47
50	0.10
100	0.05
200	0.027
500	0.01

SELF TEST

The ST pin controls the self test feature. When this pin is set to V_S , an electrostatic force is exerted on the accelerometer beam. The resulting movement of the beam allows the user to test if the accelerometer is functional. The typical change in output is -500 mg (corresponding to -150 mV) in the X-axis, 500 mg (or 150 mV) on the Y-axis, and -200 mg (or -60 mV) on the Z-axis. This ST pin may be left open circuit or connected to common (COM) in normal use.