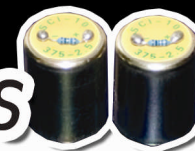


GEOPHONE PRODUCTS



	SCI-375-2.5	SCI-395-2	SCI-395-2.5	SCI-395-4.5
FREQUENCY				
Natural frequency (fn)	10Hz	10Hz	10Hz	10Hz
Tolerance	+/-2.5%	+/-2%	+/-2.5%	+/-5%
Max. tilt for specified fn	10 degrees	10 degrees	20 degrees	20 degrees
Typical spurious frequency	≥ 240Hz	≥ 160Hz	≥ 250Hz	≥ 250Hz
DISTORTION				
Distortion with 0.7 in/s p.p coil to case velocity	≤ 0.10%	≤ 0.08%	< 0.10%	≤ 0.2%
Distortion measurement frequency	12Hz	12Hz	12Hz	12Hz
Max. tilt angle for distortion specification	10 degrees	Vertical	10 degrees	20 degree
Typical distortion (string of 12 in series measured @ 12Hz)	0.03%	0.03%	0.03%	0.15%
DAMPING				
Typical open circuit damping	0.25	0.316	0.316	0.30
Damping calibration-shunt resistance	1000 ohm	1000 ohm	1000 ohm	1000 ohm
Damping with calibration-shunt	0.69	0.7	0.7	0.70
Tolerance with calibration-shunt	+5% -0%	+/-2%	+/-2.5%	+/-5%
COIL RESISTANCE				
Standard	375 ohm	395 ohm	395 ohm	395 ohm
Tolerance	+/-2.5%	+/-2%	+/-2.5%	+/-5%
SENSITIVITY				
Sensitivity	28.8 V/m/s (0.73 V/in/s)	27.5 V/m/s (0.698 V/in/s)	27.5 V/m/s (0.698 V/in/s)	28.8 V/m/s (0.73 V/in/s)
Sensitivity with shunt 1000 ohm	20.95 V/m/s	19.7 V/m/s (0.500 V/in/s)	19.7 V/m/s (0.500 V/in/s)	20 V/m/s(0.508 V/in/s)
Tolerance	+/-2.5%	+/-2%	+/-2.5%	+/-5%
RtBcfn	6000 (ohm) Hz			
Moving mass	11g (0.38oz)	11.2g (0.395oz)	11.2g (0.395oz)	11 g (0.38 oz)
Maximum coil excursion p.p	2mm (0.08in)	1.52mm (0.060in)	1.52mm (0.060in)	1.5mm (0.059in)
PHYSICAL CHARACTERISTICS				
Diameter	25.4mm (1in)	25.4mm (1in)	25.4mm (1in)	25.4 mm(1in)
Height	32mm (1.26in)	33mm (1.26in)	33mm (1.26in)	33.5 mm (1.32in)
Weight	85g (3.0oz)	89g (3.14oz)	89g (3.14oz)	87g(3.07oz)
Operating and storage temperature range	-40 degrees C to + 100 degrees C	-40 degrees C to + 100 degrees C	-40 degrees C to + 100 degrees C	-40°C to +100°C
LIMITED WARRANTY PERIOD	3 years	3 years	3 years	3 years

All elements are manufactured to Steward Cable's stringent specifications and are covered under a limited warranty for a period of 3 years. Steward Cable, Inc. will replace any defective element due to quality of manufacturing and/or material, during a period of three years from the date of delivery. The warranty does not apply to damage/failure associated with electrical shock, physical damage or other misuse.