Military norms guarantee a superior quality because they have been tested as follows.

TEST	METHOD MIL STD 202	TEST CONDITIONS
Thermal Shock	107	A
Humidity	103	B
Salt Spray	101	A
Shock	213 B	H
Vibration	201 A	None
Thermal Strength	211	A (10 Lbs, 2 cycles)

The different tests are summarised below. The detailed procedures are available upon special request.

THERMAL SHOCK TEST 107 METHOD A

The thermal shock test is performed to determine the resistance of a part to exposures at extremes of high and low temperatures, and to the shocks of alternate exposures to these extremes, such as would be experienced when equipment or parts are transferred to and from heated shelters in artic areas. The products are exposed to a flow of air at different temperatures for at least 5 cycles.

HUMIDITY TEST 103 METHOD B

This test is performed to evaluate the properties of materials used in components as they are influenced by the absorption and diffusion of moisture and moisture vapour. This accelerated environmental test is accomplished by the continuous exposure of the specimen to high relative humidity at an elevated temperature during 96 hours.

SALT SPRAY TEST 101 METHOD A

The purpose of this test is to define if the product is resistant to salt spray. This accelerated laboratory corrosion test simulates the effects of seacoast atmospheres on metals. The coating of the product is subjected to a fine mist of salt solution during 96 hours.

SHOCK TEST 213 B METHOD H

The shock test (Sawtooth pulse during 6Ms) is conducted for the purpose of determining the suitability of component parts and subassemblies of electrical and electronic components when subjected to shocks such as those which may be expected as a result of rough handling, transportation and military operations. The design of the shock machine is not specified, but shock pulse waveforms are specified with tolerances.

VIBRATION TEST 201 A

The vibration test is used to determine the effects on component parts of vibration within the predominant frequency ranges and magnitudes that may be encountered during the field service. The specimen is mounted on a special apparatus and subjected to a simple harmonic motion.

THERMAL STRENGTH TEST 211 METHOD A

This test is performed to determine whether the design of the product and his method of attachment can withstand one or more of the applicable mechanical stresses to which they will be subjected during installation or disassembly in equipment. This pull of tension test is gradually applied and then maintained for a period of 5 to 10 seconds.

- Some of the Sonitron products are NATO approved and obtained a special NATO number.

Nr. Ref	NSN (= NATO Stock Number)
• **Standard Series**	
SC 235 A	6350-13-113-8057
SC 235 A - F2	6350-13-120-1787
SC 235 A - F2 BLACK	6350-13-116-5836
SC 235 A - FM	6350-13-116-8221
SC 235 A - M	6350-13-118-3500
SC 235 B	6350-13-112-5782
SC 235 B - F	6350-13-113-4698
SC 235 B - F2	6350-13-120-1788
SC 235 B - FM	6350-13-113-4504
SCI 535 A1 - F2	6350-13-119-8080
SCI 535 A1 - M Green	6350-13-118-1179
SCI 535 A1 - FM	6350-13-114-1876
SCI 535 B1	6350-13-114-8156

SCI 535 B1 - F2	6350-13-116-9171
SCI 535 B1 - Black	6350-13-1205625
SCI 535 B1 - FM	6350-13-113-6092
SCI 535 B5	6350-13-113-1553
SCI 535 B5 - F	6350-13-1206614
SCI 535 B5 - F 48X05N	6350-13-118-3502
SCI 535 B5 - F2 MS	6350-13-1208454
SCR 535 A	6350-13-113-2787
SCR 535 B	6350-13-115-0297
SCR 535 B - FM	6350-13-114-1875
SW 535 B	6350-13-119-7615
SW 535 B - M	6350-13-118-2999
SUM 516 A1	6350-13-113-6319
SULM 516 B1 - FM	6350-13-113-6108
SULM 516 B5	6350-13-120-6689
SULM 516 B5 - F	6350-13-118-9573
SC 0715 BL	6350-13-118-6691
SC 0715 BL - F	6350-13-115-6688
SC 0715 BL - F2M	6350-13-116-8321
SP27 - FM	6350-13-118-4720
SCI 535 1700	6350-13-1210424

- **SMA Series**

SMA-21L - P17.5	6350-13-118-8899
SMA-24 - P10	6350-14-501-0602

SMA-30 - P20.32	6350-13-119-4461
SMAT-21	5965-13-117-8832