

# Space Qualified Products

## Specialized LC + Crystal Filters



- Product reliability - Up to 30 year operating life
- Complete in-house environmental testing
- Commercial & Military applications

NIC space level products are built with the highest level of quality control. NIC is a proven provider of high quality, cost-effective space products. With over 10 years of experience with military and commercial space applications, NIC's product reliability has operating life up to 30 years.

<b>Screening Inspection</b>	Visual Pre-cap (MIL-STD-883, Method 2017) Temperature Cycling (MIL-STD-202, Method 107 Test Condition B) Sinusoidal Vibration (MIL-STD-202F, Method 204D) Random Vibration (MIL-STD-202F, Method 214) Temperature Run (MIL-C-3098) PIND Test (MIL-STD-883, Method 2020, Test Condition B) Aging (MIL-C-3098) Seal Test (MIL-STD-202, Method 112, Test Condition C) Phase Noise Under Vibration Temperature Altitude Radiographic Inspection
<b>Visual + Mechanical Inspection</b>	ATP/ MIL-F-18327E/ MIL-STD-883
<b>Reliability Analysis</b>	Calculation carried out per MIL-HDBK-217F
<b>Component Selection</b>	Crystals: ESA/SCCG level C# or MIL-C-3098 with group B testing Discrete semiconductors: JANTXV per MIL-PRF-19500 Microcircuits: MIL-STD-883 class B or ESA/SCCG level C3 Passive Parts: ER type with failure level "S" or better Connectors: ESA/SCC level C3 or as per NASA/GSFC requirements

Contact factory with your specific requirements. For screening capabilities, refer to page 3.  
 For common package outlines, refer to LC & Crystal sections.