**DESCRIPTION**

Maxim Integrated has been a supplier of quality devices to the military/aerospace community since 1983. We are an approved Class M supplier to virtually all the world’s leading military and aerospace OEMs and are on the preferred vendor list at many of them. All of our military/aerospace parts are fabricated in our own facilities on U.S. soil.

**FEATURES**

- Full compliance to Mil-Std-883, Mil-Prf-38535, and JEDEC standards
- Operation over the full military temperature range (-55°C to +125°C)
- Lead (Pb) finish available for any part we sell
- Ruggedized screening of Commercial Off the Shelf (COTS) parts for military temperature characterization
- Continuity of supply to support long program life

**RUGGEDIZED PLASTIC PARTS PROGRAM**

Our Ruggedized Plastic Parts program converts virtually any of our plastic parts to military temperature specification through additional burn-in and test. These “super COTS” products ship with a certificate of compliance.

**AVAILABLE CONFIGURATIONS**

- V62 - DLA-controlled, enhanced-temperature, lead-finished plastic devices
- PR - 100% burn-in at +135°C for 120 hours and 100% tri-temp tested over the military temperature range
- PR2 - 100% tri-temp tested over the military temperature range with no burn-in
- PR3 - Tested to more stringent limits to guarantee performance over temperature. No burn-in or tri-temp testing

**CHARACTERISTICS**

- Mil Temp plastic parts (-55°C to +125°C)
- Lead-free finish
- Burn-in 100% (120 hrs. @ +135°C)
- Room, hot, cold temperature testing
- Applicable to virtually any Maxim part

**APP. REQUIREMENTS**

- Lighter Weight
- Vibration Tolerance
- Low Cost
- High Reliability

**NOMENCLATURE**

MAX123ABC/PR+ or MAX123ABC/PR+T for tape and reel
LEAD (Pb) FINISH PROGRAM

Our Lead Finish program supports high- and low-volume applications where tin whiskers are a concern. The pure tin finish is removed and replaced with 63/37 SnPb solder. Lead finish parts are identified with a part number suffix of /GG8 and receive the full Maxim warranty.

| Use lead-free RoHS devices | Re-finish with hot solder | Orange epoxy dot designates SnPb | Re-tested @ 100% Room Temperature |

**BENEFITS**
- Maxim warranty fully applies
- Applicable to virtually any Maxim part
- Parts list is constantly growing
- Can support low and high volume

**NOMENCLATURE**
- Only the ordering part number changes
- MAX123ABC/GG8

OBsolescence Mitigation Program

Our unique Obsolescence Mitigation (OM) program ensures that a future supply of any of our plastic COTS parts are available for long-term programs. We require only 1 year of demand, which helps prevent costly redesign or the need to maintain special inventories of obsolete parts.

**HOW IT WORKS**
- Wafer Set-Aside Program
  - Uses COTS plastic parts
  - Customer orders 1st year demand to establish wafer bank
  - Banked wafer(s) ONLY for individual customer

**BENEFITS**
- MOQ after 1st PO is only 500 pcs.
- Future units built to order, tested, and get that year’s data code
- No annual fee for storage/no fee to cancel
- Virtually any Maxim part can be used in this program, for any military/aerospace applications

**RELATED RESOURCES**
- Reliability Document PR-1
- Environmental Management & Product Sustainability
- Quality Assurance & Reliability
- List of Lead-Finish (/GG8) Parts