

**ANNEXURE
QA REQUIREMENTS**

No.	Specifications	Details	Compliance
1	Quality specifications	1. Devices shall be qualified to MIL-PRF-3098 or ESCC 3501. OR 2. Vendor should be on MIL/ESA QPL or Vendor should be qualified by ISRO for Crystal.	
		2. The devices shall be MIL-PRF-3098 qualified to product level S requirements or MIL-PRF-3098 product level S equivalent or manufacturer's equivalent space grade flow.	
		3. All the devices shall be serialized and subjected to the 100 % Screening as per MIL-PRF-3098 Level S.	
		4. Group A and Group B requirements as per MIL-PRF-3098 Class S requirements.	
		5. The devices shall be hermetically sealed or with a backfill gas as per MIL-PRF-3098.	
		6. Manufacturer shall generate the Source Control Drawing including design, material, process control, electrical specifications, etc. similar to QPL 3098 and submit to SAC for review/approval before start of production.	
		2	Information required along with the quote
2. SMD/ESCC data sheet.			
3. Manufacturer's qualification details and certificate.			
4. If the manufacturer is qualified by ISRO, the complete Qualification report, and compliance as to how the qualified device meets the present requirements.			
5. Vendor shall provide generic qualification data/ latest QCI data for this frequency or similar frequency. Depending on the generic data, SAC shall decide about the necessity of qualification tests and number of samples.			
6. For offers from HI-REL Parts Procurement Agency (HRPPA), following details should be supplied along with quote: <ul style="list-style-type: none"> • It is mandatory that the vendor should have more than 5 years of experience as HRPPA. Details regarding the same to be supplied. • Vendor shall share the details of EEE part types supplied to other customers with name of space programs supported and Space agencies / Satellite payload manufacturers. • Outline of the Vendor's operating procedure, for compliance to quality requirements of this document; including details of mechanism for traceability starting from Original Parts Manufacturer till delivery to SAC. 			

		<ul style="list-style-type: none"> • Details of Quality documents that will be supplied along with deliverables. • For off-the-shelf / inventory parts: date-code of parts, storage and inspection criteria to be supplied. Acceptability of such off-the-shelf parts will be at decided by SAC based on date code and the relifing details. • For quotes from channel partner/agent the appropriate authorization from HRPPA. 	
		<p>7. Devices shall be supplied preferably from single lot date code and preferably not older than 2 years. Acceptability of older parts shall be decided by SAC; In such case:</p> <p>A. If the components are offered from existing stock, then vendor shall share the test data and date code details of the devices.</p> <p>B. Depending on the date code, rescreening shall be carried out before the delivery of the devices.</p>	
3	Documents required along with the supply of Components	<p>1. Certificate of Conformance from manufacturer.</p> <p>2. Data-pack in soft copy only.</p>	
4	Additional requirements	<p>1. Each device shall be packed in ESD safe package.</p> <p>2. Devices shall be supplied preferably; from a single lot date code and preferably shall not be older than 2 years.</p>	
<p>PLEASE PROVIDE POINT TO POINT COMPLIANCE TO THIS REQUIREMENT PROVIDING NECESSARY SUPPORTING DOCUMENTS ALONGWITH THE QUOTE.</p>			