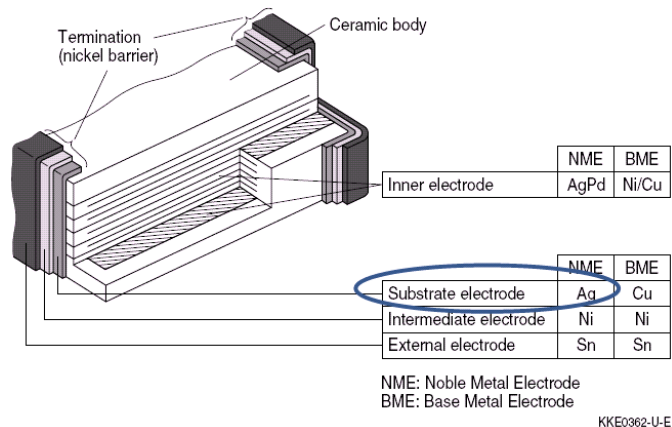


January 11, 2008

## Notification of changes Introduction of an additional termination paste for NME (noble metal electrode) technology

The termination of an SMD component is the important electrical and mechanical connection between the conductor paths on the PCB and the interior electrode package.

The figure shows the termination of EPCOS MLCCs, which consists of three layers that are necessary to ensure the elements' excellent characteristics regarding conductivity, solderability and reliability.



In order to ensure deliverability while at the same time maintaining its usual high level of quality, EPCOS is going to use an additional, alternative, so-called termination paste from a second source, which is used to apply the interior substrate electrode (above, marked).

### Product range

All class I - MLCC products (COG/NP0) which are produced using NME (noble metal electrode) technology are affected. Class II products as well as the HQF series are not affected. A detailed list of affected products is attached.

### Time schedule

From May 12, 2008, any of the two materials may be used.

### Effects

This measure has no influence on the quality of the products and their specified electrical and mechanical characteristics. Ordering codes remain the same.

### Quality safeguards

- Approval in accordance with AEC-Q200 (see attached qualification schedule)
- Increased process surveillance and outgoing inspections during the ramp-up phase
- Traceability of the material used for any given batch
- Qualification data and samples are available at request

## Enclosures

- Process change notification (PCN)
- List of affected products
- Qualification schedule

**Contact**            Thomas Seitschek, KB VS PM, Mch M/Ku

**Customers should address inquiries straight to their EPCOS sales contacts.**



**Product / Process Change Notification  
Produkt-/ Prozess-Änderungsmitteilung**

<b>1. ID No. / ID-Nr.:</b> KB 08/90		<b>2. Date of announcement / Datum der Ankündigung:</b> Jan. 11, 2008	
<b>3. Type / Produktgruppe:</b> MLCC	<b>Old ordering code / Alte Bestell-Nr.:</b> see attached list gem. beiliegender Liste	<b>New ordering code / Neue Bestell-Nr.:</b> unchanged unverändert	<b>Customer part number / Kundensachnummer:</b> unchanged unverändert
<b>4. Description of change / Beschreibung der Änderung:</b> Introduction of an additional termination paste for class I - MLCC (alternate source) Einführung einer weiteren Terminierungspaste bei Klasse I -MLCC (Alternativlieferant)			
<b>5. Effect on the product or for customers (quality, specification, lead time) / Auswirkung auf das Produkt oder für den Kunden (Qualität, Spezifikation, Lieferzeiten):</b> No influence on quality and/or specified electrical and mechanical characteristics Kein Einfluß auf die Qualität der Produkte und deren spezifizerte elektrische und mechanische Eigenschaften			
<b>6. Quality assurance measures / Maßnahmen zur Qualitätssicherung:</b> Qualification is done in accordance with ISO/TS 16949 with additional reliability testing according to AEC-Q200 Rev. C (see attached qualification plan) Die Qualifikation wurde gemäß ISO/TS 16949 durchgeführt und umfaßt zusätzliche Zuverlässigkeitsprüfungen gemäß AEC-Q200 Rev C. (siehe beiliegender Qualifikationsplan)			
<b>7. Scheduled date of introduction / Geplante Einführung:</b> May 12, 2008 / 12. Mai 2008			
<b>8. Customer feedback / Rückmeldung vom Kunden:</b> If EPCOS does not receive notification to the contrary within a period of 10 weeks, EPCOS assumes that the customer agrees to the change. For an interim period we cannot rule out that old as well as new products will be shipped. Falls EPCOS innerhalb von 10 Wochen keine gegenteilige Mitteilung erhält, geht EPCOS davon aus, dass die geplante Änderung vom Kunden akzeptiert ist. Innerhalb einer Übergangszeit kann es vorkommen, dass sowohl alte wie auch neue Ware geliefert wird.			
Quality Management: Name: Dr. W. Pint		Signature sgd. Dr. W. Pint	
Product Marketing: Tel: +49-89-636-24574 Fax: +49-89-636-28058 E-mail: thomas.seitschek@epcos.com Name: Thomas Seitschek		Signature sgd. T. Seitschek	
Customer acknowledgement Bestätigung durch den Kunden		Signature	

## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37871A1010*	COG	1206
B37871A1040*	COG	1206
B37871A1100*	COG	1206
B37871A1101*	COG	1206
B37871A1102*	COG	1206
B37871A1222*	COG	1206
B37871A1470*	COG	1206
B37871A1471*	COG	1206
B37871A5010*	COG	1206
B37871A5040*	COG	1206
B37871A5100*	COG	1206
B37871A5101*	COG	1206
B37871A5102*	COG	1206
B37871A5470*	COG	1206
B37871A5471*	COG	1206
B37871A5472*	COG	1206
B37871K1020*	COG	1206
B37871K1040*	COG	1206
B37871K1100*	COG	1206
B37871K1101*	COG	1206
B37871K1102*	COG	1206
B37871K1120*	COG	1206
B37871K1121*	COG	1206
B37871K1122*	COG	1206
B37871K1150*	COG	1206
B37871K1151*	COG	1206
B37871K1152*	COG	1206
B37871K1180*	COG	1206
B37871K1181*	COG	1206
B37871K1182*	COG	1206
B37871K1220*	COG	1206
B37871K1221*	COG	1206
B37871K1222*	COG	1206
B37871K1270*	COG	1206
B37871K1271*	COG	1206
B37871K1330*	COG	1206
B37871K1331*	COG	1206
B37871K1390*	COG	1206
B37871K1391*	COG	1206
B37871K1470*	COG	1206
B37871K1471*	COG	1206
B37871K1560*	COG	1206
B37871K1561*	COG	1206
B37871K1680*	COG	1206
B37871K1681*	COG	1206
B37871K1820*	COG	1206
B37871K1821*	COG	1206
B37871K2101*	COG	1206
B37871K5010*	COG	1206
B37871K5020*	COG	1206

## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37871K5030*	COG	1206
B37871K5040*	COG	1206
B37871K5100*	COG	1206
B37871K5101*	COG	1206
B37871K5102*	COG	1206
B37871K5120*	COG	1206
B37871K5121*	COG	1206
B37871K5122*	COG	1206
B37871K5150*	COG	1206
B37871K5151*	COG	1206
B37871K5152*	COG	1206
B37871K5180*	COG	1206
B37871K5181*	COG	1206
B37871K5182*	COG	1206
B37871K5220*	COG	1206
B37871K5221*	COG	1206
B37871K5222*	COG	1206
B37871K5242*	COG	1206
B37871K5270*	COG	1206
B37871K5271*	COG	1206
B37871K5272*	COG	1206
B37871K5300*	COG	1206
B37871K5330*	COG	1206
B37871K5331*	COG	1206
B37871K5332*	COG	1206
B37871K5390*	COG	1206
B37871K5391*	COG	1206
B37871K5392*	COG	1206
B37871K5470*	COG	1206
B37871K5471*	COG	1206
B37871K5472*	COG	1206
B37871K5560*	COG	1206
B37871K5561*	COG	1206
B37871K5562*	COG	1206
B37871K5680*	COG	1206
B37871K5681*	COG	1206
B37871K5820*	COG	1206
B37871K5821*	COG	1206
B37871S1040*	COG	1206
B37871S1100*	COG	1206
B37871S1101*	COG	1206
B37871S1102*	COG	1206
B37871S1150*	COG	1206
B37871S1220*	COG	1206
B37871S1221*	COG	1206
B37871S1222*	COG	1206
B37871S1330*	COG	1206
B37871S1470*	COG	1206
B37871S1560*	COG	1206
B37871S1681*	COG	1206

## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37871S5100*	COG	1206
B37871S5101*	COG	1206
B37871S5102*	COG	1206
B37871S5120*	COG	1206
B37871S5121*	COG	1206
B37871S5122*	COG	1206
B37871S5150*	COG	1206
B37871S5151*	COG	1206
B37871S5152*	COG	1206
B37871S5180*	COG	1206
B37871S5181*	COG	1206
B37871S5182*	COG	1206
B37871S5220*	COG	1206
B37871S5221*	COG	1206
B37871S5222*	COG	1206
B37871S5270*	COG	1206
B37871S5272*	COG	1206
B37871S5300*	COG	1206
B37871S5330*	COG	1206
B37871S5331*	COG	1206
B37871S5332*	COG	1206
B37871S5391*	COG	1206
B37871S5470*	COG	1206
B37871S5471*	COG	1206
B37871S5472*	COG	1206
B37871S5560*	COG	1206
B37871S5561*	COG	1206
B37871S5680*	COG	1206
B37871S5681*	COG	1206
B37871S5820*	COG	1206
B37871S5821*	COG	1206
B37878K9562*	COG	1206
B37878S9472*	COG	1206
B37878S9562*	COG	1206
B37920A5040*	COG	0402
B37920A5100*	COG	0402
B37920A5101*	COG	0402
B37920A5470*	COG	0402
B37920K 30*	COG	0402
B37920K 40*	COG	0402
B37920K 50*	COG	0402
B37920K 60*	COG	0402
B37920K 80*	COG	0402
B37920K 120*	COG	0402
B37920K 150*	COG	0402
B37920K 180*	COG	0402
B37920K 220*	COG	0402
B37920K 270*	COG	0402
B37920K 470*	COG	0402
B37920K5030*	COG	0402

## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37920K5040*	COG	0402
B37920K5050*	COG	0402
B37920K5060*	COG	0402
B37920K5080*	COG	0402
B37920K5100*	COG	0402
B37920K5101*	COG	0402
B37920K5120*	COG	0402
B37920K5150*	COG	0402
B37920K5180*	COG	0402
B37920K5200*	COG	0402
B37920K5220*	COG	0402
B37920K5270*	COG	0402
B37920K5300*	COG	0402
B37920K5330*	COG	0402
B37920K5390*	COG	0402
B37920K5470*	COG	0402
B37920K5560*	COG	0402
B37920K5680*	COG	0402
B37920K5820*	COG	0402
B37920S5101*	COG	0402
B37920S5470*	COG	0402
B37930A1010*	COG	0603
B37930A1040*	COG	0603
B37930A1100*	COG	0603
B37930A1101*	COG	0603
B37930A1221*	COG	0603
B37930A1470*	COG	0603
B37930A5010*	COG	0603
B37930A5040*	COG	0603
B37930A5100*	COG	0603
B37930A5101*	COG	0603
B37930A5470*	COG	0603
B37930A5471*	COG	0603
B37930K1101*	COG	0603
B37930K1221*	COG	0603
B37930K1470*	COG	0603
B37930K5000*	COG	0603
B37930K5010*	COG	0603
B37930K5020*	COG	0603
B37930K5030*	COG	0603
B37930K5040*	COG	0603
B37930K5050*	COG	0603
B37930K5060*	COG	0603
B37930K5080*	COG	0603
B37930K5100*	COG	0603
B37930K5101*	COG	0603
B37930K5120*	COG	0603
B37930K5121*	COG	0603
B37930K5150*	COG	0603
B37930K5151*	COG	0603

## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37930K5160*	COG	0603
B37930K5180*	COG	0603
B37930K5181*	COG	0603
B37930K5200*	COG	0603
B37930K5220*	COG	0603
B37930K5221*	COG	0603
B37930K5240*	COG	0603
B37930K5270*	COG	0603
B37930K5271*	COG	0603
B37930K5330*	COG	0603
B37930K5331*	COG	0603
B37930K5390*	COG	0603
B37930K5391*	COG	0603
B37930K5430*	COG	0603
B37930K5470*	COG	0603
B37930K5471*	COG	0603
B37930K5510*	COG	0603
B37930K5560*	COG	0603
B37930K5680*	COG	0603
B37930K5750*	COG	0603
B37930K5820*	COG	0603
B37930K9102*	COG	0603
B37930K9122*	COG	0603
B37930K9152*	COG	0603
B37930K9182*	COG	0603
B37930K9222*	COG	0603
B37930K9681*	COG	0603
B37930K9821*	COG	0603
B37930S 100*	COG	0603
B37930S 101*	COG	0603
B37930S 180*	COG	0603
B37930S 240*	COG	0603
B37930S 510*	COG	0603
B37930S1101*	COG	0603
B37930S1220*	COG	0603
B37930S5000*	COG	0603
B37930S5010*	COG	0603
B37930S5020*	COG	0603
B37930S5030*	COG	0603
B37930S5040*	COG	0603
B37930S5050*	COG	0603
B37930S5060*	COG	0603
B37930S5080*	COG	0603
B37930S5100*	COG	0603
B37930S5101*	COG	0603
B37930S5120*	COG	0603
B37930S5121*	COG	0603
B37930S5150*	COG	0603
B37930S5151*	COG	0603
B37930S5180*	COG	0603



## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37930S5181*	COG	0603
B37930S5200*	COG	0603
B37930S5220*	COG	0603
B37930S5221*	COG	0603
B37930S5240*	COG	0603
B37930S5270*	COG	0603
B37930S5271*	COG	0603
B37930S5330*	COG	0603
B37930S5331*	COG	0603
B37930S5390*	COG	0603
B37930S5391*	COG	0603
B37930S5470*	COG	0603
B37930S5471*	COG	0603
B37930S5510*	COG	0603
B37930S5560*	COG	0603
B37930S5680*	COG	0603
B37930S5820*	COG	0603
B37930S9100*	COG	0603
B37931K5101*	COG	0603
B37931K5151*	COG	0603
B37931K5181*	COG	0603
B37931S5101*	COG	0603
B37931S5151*	COG	0603
B37937K9101*	COG	0603
B37937K9102*	COG	0603
B37937K9121*	COG	0603
B37937K9122*	COG	0603
B37937K9151*	COG	0603
B37937K9152*	COG	0603
B37937K9181*	COG	0603
B37937K9182*	COG	0603
B37937K9222*	COG	0603
B37937K9391*	COG	0603
B37937K9471*	COG	0603
B37937K9681*	COG	0603
B37937K9821*	COG	0603
B37937S9102*	COG	0603
B37937S9122*	COG	0603
B37937S9152*	COG	0603
B37937S9182*	COG	0603
B37937S9222*	COG	0603
B37937S9681*	COG	0603
B37937S9821*	COG	0603
B37940A1010*	COG	0805
B37940A1040*	COG	0805
B37940A1100*	COG	0805
B37940A1101*	COG	0805
B37940A1102*	COG	0805
B37940A1470*	COG	0805
B37940A1471*	COG	0805

## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37940A5010*	COG	0805
B37940A5040*	COG	0805
B37940A5100*	COG	0805
B37940A5101*	COG	0805
B37940A5102*	COG	0805
B37940A5470*	COG	0805
B37940A5471*	COG	0805
B37940K1010*	COG	0805
B37940K1020*	COG	0805
B37940K1030*	COG	0805
B37940K1040*	COG	0805
B37940K1050*	COG	0805
B37940K1060*	COG	0805
B37940K1080*	COG	0805
B37940K1100*	COG	0805
B37940K1101*	COG	0805
B37940K1102*	COG	0805
B37940K1120*	COG	0805
B37940K1121*	COG	0805
B37940K1150*	COG	0805
B37940K1151*	COG	0805
B37940K1180*	COG	0805
B37940K1181*	COG	0805
B37940K1220*	COG	0805
B37940K1221*	COG	0805
B37940K1270*	COG	0805
B37940K1271*	COG	0805
B37940K1300*	COG	0805
B37940K1301*	COG	0805
B37940K1330*	COG	0805
B37940K1331*	COG	0805
B37940K1390*	COG	0805
B37940K1391*	COG	0805
B37940K1470*	COG	0805
B37940K1471*	COG	0805
B37940K1560*	COG	0805
B37940K1561*	COG	0805
B37940K1680*	COG	0805
B37940K1681*	COG	0805
B37940K1820*	COG	0805
B37940K1821*	COG	0805
B37940K2100*	COG	0805
B37940K2101*	COG	0805
B37940K2151*	COG	0805
B37940K2220*	COG	0805
B37940K2221*	COG	0805
B37940K2270*	COG	0805
B37940K2330*	COG	0805
B37940K2331*	COG	0805
B37940K2470*	COG	0805

## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37940K2680*	COG	0805
B37940K5010*	COG	0805
B37940K5020*	COG	0805
B37940K5030*	COG	0805
B37940K5040*	COG	0805
B37940K5050*	COG	0805
B37940K5060*	COG	0805
B37940K5080*	COG	0805
B37940K5100*	COG	0805
B37940K5101*	COG	0805
B37940K5102*	COG	0805
B37940K5120*	COG	0805
B37940K5121*	COG	0805
B37940K5122*	COG	0805
B37940K5150*	COG	0805
B37940K5151*	COG	0805
B37940K5152*	COG	0805
B37940K5180*	COG	0805
B37940K5181*	COG	0805
B37940K5182*	COG	0805
B37940K5200*	COG	0805
B37940K5220*	COG	0805
B37940K5221*	COG	0805
B37940K5222*	COG	0805
B37940K5270*	COG	0805
B37940K5271*	COG	0805
B37940K5300*	COG	0805
B37940K5301*	COG	0805
B37940K5330*	COG	0805
B37940K5331*	COG	0805
B37940K5361*	COG	0805
B37940K5390*	COG	0805
B37940K5391*	COG	0805
B37940K5470*	COG	0805
B37940K5471*	COG	0805
B37940K5560*	COG	0805
B37940K5561*	COG	0805
B37940K5620*	COG	0805
B37940K5680*	COG	0805
B37940K5681*	COG	0805
B37940K5820*	COG	0805
B37940K5821*	COG	0805
B37940K5910*	COG	0805
B37940K9103*	COG	0805
B37940K9272*	COG	0805
B37940K9332*	COG	0805
B37940K9392*	COG	0805
B37940K9472*	COG	0805
B37940K9562*	COG	0805
B37940K9682*	COG	0805

## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37940K9822*	COG	0805
B37940S1040*	COG	0805
B37940S1050*	COG	0805
B37940S1080*	COG	0805
B37940S1100*	COG	0805
B37940S1101*	COG	0805
B37940S1102*	COG	0805
B37940S1121*	COG	0805
B37940S1150*	COG	0805
B37940S1180*	COG	0805
B37940S1181*	COG	0805
B37940S1220*	COG	0805
B37940S1221*	COG	0805
B37940S1271*	COG	0805
B37940S1330*	COG	0805
B37940S1331*	COG	0805
B37940S1470*	COG	0805
B37940S1471*	COG	0805
B37940S1560*	COG	0805
B37940S1680*	COG	0805
B37940S5010*	COG	0805
B37940S5020*	COG	0805
B37940S5030*	COG	0805
B37940S5040*	COG	0805
B37940S5050*	COG	0805
B37940S5060*	COG	0805
B37940S5080*	COG	0805
B37940S5100*	COG	0805
B37940S5101*	COG	0805
B37940S5102*	COG	0805
B37940S5120*	COG	0805
B37940S5121*	COG	0805
B37940S5122*	COG	0805
B37940S5150*	COG	0805
B37940S5151*	COG	0805
B37940S5152*	COG	0805
B37940S5180*	COG	0805
B37940S5181*	COG	0805
B37940S5182*	COG	0805
B37940S5200*	COG	0805
B37940S5220*	COG	0805
B37940S5221*	COG	0805
B37940S5222*	COG	0805
B37940S5270*	COG	0805
B37940S5271*	COG	0805
B37940S5300*	COG	0805
B37940S5330*	COG	0805
B37940S5331*	COG	0805
B37940S5390*	COG	0805
B37940S5391*	COG	0805

## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37940S5470*	COG	0805
B37940S5471*	COG	0805
B37940S5560*	COG	0805
B37940S5561*	COG	0805
B37940S5680*	COG	0805
B37940S5681*	COG	0805
B37940S5820*	COG	0805
B37940S5821*	COG	0805
B37941K5101*	COG	0805
B37941K5121*	COG	0805
B37941K5151*	COG	0805
B37941K5181*	COG	0805
B37947K9101*	COG	0805
B37947K9102*	COG	0805
B37947K9103*	COG	0805
B37947K9121*	COG	0805
B37947K9122*	COG	0805
B37947K9151*	COG	0805
B37947K9152*	COG	0805
B37947K9181*	COG	0805
B37947K9182*	COG	0805
B37947K9221*	COG	0805
B37947K9222*	COG	0805
B37947K9271*	COG	0805
B37947K9272*	COG	0805
B37947K9331*	COG	0805
B37947K9332*	COG	0805
B37947K9391*	COG	0805
B37947K9392*	COG	0805
B37947K9471*	COG	0805
B37947K9472*	COG	0805
B37947K9561*	COG	0805
B37947K9562*	COG	0805
B37947K9681*	COG	0805
B37947K9682*	COG	0805
B37947K9821*	COG	0805
B37947K9822*	COG	0805
B37947S9102*	COG	0805
B37947S9103*	COG	0805
B37947S9122*	COG	0805
B37947S9152*	COG	0805
B37947S9182*	COG	0805
B37947S9222*	COG	0805
B37947S9272*	COG	0805
B37947S9332*	COG	0805
B37947S9392*	COG	0805
B37947S9472*	COG	0805
B37947S9562*	COG	0805
B37947S9682*	COG	0805
B37947S9822*	COG	0805

## Products affected by additional termination paste

<b>EPCOS p/n</b>	<b>Temperature Characteristic</b>	<b>Case Size</b>
B37949K1102*	COG	1210
B37949K1332*	COG	1210
B37949K1472*	COG	1210
B37949K1682*	COG	1210
B37949K5102*	COG	1210
B37949K5103*	COG	1210
B37949K5152*	COG	1210
B37949K5182*	COG	1210
B37949K5222*	COG	1210
B37949K5332*	COG	1210
B37949K5472*	COG	1210
B37949K5562*	COG	1210
B37949K5682*	COG	1210
B37949K5822*	COG	1210



## Test Plan - Types per Test

User PIN: EPCOS Databook 2007  
 User Spec. #: Eposc OHG  
 Supplier: B37920K5220K, B37990K5331K  
 Supplier P/N: B37940K1101K, B37871K1102K

User Component Engineer: CDF-AEC-Q200  
 General Specification: Austria, Croatia  
 Supplier Manufacturing Site: MLCC C0G  
 Required production approval Submission Date:

Item	Test	Reference	Test conditions	Exceptions	Sample Size per Lot	DUT Number:	Additional Req. / Notes
						1	
						2	
1	Pre- and Post- Stress Electrical Test	User Spec.			All	X	X
3	High Temperature Exposure	MIL-STD-202 Method 108	Unpowered 1000 hours @ T=150°C		77	X	X
4	Temperature Cycling	JESD22 Method JA-104	1000 Cycles (-55°C to +125°C)		100	X	X
5	Destructive Physical Analysis	EIA-469	10ea x 3 lots		15	X	X
6	Moisture Resistance	MIL-STD-202 Method 106	t=24 hours/cycle unpowered; rel.Hum 93%; 25-65°C; 10 cycles		77	X	X
7	Biased Humidity	MIL-STD-202 Method 103	1000 hours 85°C/85% RH Rated voltage and 1.3V (in Series with 100Kohm)		100	X	X
8	Operational Life	MIL-STD-202 Method 108	Steady State 125°C Rated Voltage, 1000h		100	X	X
9	External Visual	MIL-STD-883 Method 2009	Inspect device construction, marking and workmanship.		All	X	X
10	Physical Dimension	JESD22 Method JB-100	Verify physical dimensions to the applicable device specification.				
12	Resistance to Solvents	MIL-STD-202 Method 215	Note: Add Aqueous wash chemicals - OKEAM Clean or equivalent.		30	X	X
13	Mechanical Shock	MIL-STD-202 Method 213	Figure 1 of Method 213 SMD: Condition J.	max. 30g, 6ms possible	30	X	X
14	Vibration	MIL-STD-202 Method 204	5 g's for 20 min., 12 cycles each of 3 orientations.		30	X	X
15	Resistance to Soldering Heat	MIL-STD-202 Method 210	Condition B No pre-heat of samples; Note Single Wave Solder - Procedure 2 for SMD.		30	X	X
16	Thermal Shock	MIL-STD-202 Method 107	-55C/+125C: Note: Number of cycles required-300. Air-Air		30	X	X
17	ESD	SDF-AEC-Q200-002			20	X	X
18	Solderability	J-STD-002	215°C 3sec; 260°C 10sec		15 each condition	X	X
19	Electrical Characterization	User Spec.					
21	Board Flex	JIS-C-6429	Appendix 2 Note: 2mm(min)		30	X	X
22	Terminal Strength(SMD)	JIS-C-6429	Appendix 1 Note: Force of 1.8kg for 60 sec.		30	X	X
23	Beam Load Test, Breaking Strength Test	CDF-AEC-Q200-003			30	X	X

Covered by more severe test 4.