

Type of Notification:**To:** All

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|---|--|---|
| <input type="checkbox"/> Product Change | <input checked="" type="checkbox"/> Process Change | <input type="checkbox"/> Expansion / Relocation |
| <input type="checkbox"/> Product Alert | <input type="checkbox"/> Obsolescence | <input type="checkbox"/> Other |

Notification Date: Feb 23, 2009**Effective Date:** April 20, 2009AVX Part Number / Series / Product: TransGuard product. See attached list of specific Part Numbers

Customer Part Number / Series / Drawing:

Material Identification: AllDate Code / Lot Code: See attached schedule**Applicable Information:**Purchase Order Number: AllShipment Date: See schedulePacking Slip Number(s): AllQuantity: All**Description of Advisory / Notice:**

The electrode material system is being changed to 0% Pt system to allow lower firing temperatures. There is no change to the form, fit, or function for product manufactured with new materials. This change introduces no effect on quality, reliability, or performance in the customer's process. Qualification data will be available based on the schedule attached as Addendum 1.

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Addendum A - Part List and Schedule

		J9000 Qual Date	AECQ TESTING	Date/Lotcode
VC040209X200	1 lot	May-09		0932
VC040218X400	1 lot	Feb-09		0919
VU04LC	1 lot	Apr-09		0927
VC060303A100	3 lot	May-09		0932
VC06AG1812	1 lot	Apr-09	Mar-09	0927
VC080505C150	3 lot	Feb-09		0919
VC080518C400	3 lot	Feb-09	Mar-09	0919
VC080503A100	1 lot	May-09		0932
VC080503C100	1 lot	May-09		0932
VC080505A150	1 lot	Feb-09		0919
VC080509A200	1 lot	Feb-09		0919
VC080510A	1 lot	May-09		0932
VC080512A250	1 lot	Apr-09		0927
VC080514A300	1 lot	Feb-09		0919
VC080514C300	1 lot	Feb-09		0919
VC080518A400	1 lot	Feb-09		0919
VC0805 18Aasp	1 lot	Apr-09		0927
VC080526C580	1 lot	May-09		0932
VC120605D150	3 lot	Mar-09		0923
VC120630D650	3 lot	Mar-09		0923
VC120603A100	1 lot	May-09		0932
VC120603D100	1 lot	May-09		0932
VC120605A150	1 lot	Apr-09		0927
VC120614A300	1 lot	Mar-09		0923
VC120614D300	1 lot	Mar-09		0923
VC120618A400	1 lot	Mar-09		0923
VC120618D400	1 lot	Mar-09	Mar-09	0923
VC120618E380	1 lot	Apr-09		0927
VC120612LC	1 lot	Apr-09		0927
VC120626D580	1 lot	Apr-09		0927
VC120642L	1 lot	Apr-09		0927
VC120648D101	1 lot	Apr-09		0927
VC120656F111	1 lot	Mar-09		0923
VC121018J390	3 lot	Mar-09	Mar-09	0923
VC121030H620	3 lot	Mar-09		0923
VC121026H560	1 lot	Apr-09		0927
VC121048H101	1 lot	Apr-09		0927
VC121060J121	1 lot	Apr-09		0927

Addendum B – Qualification Plan

QUALIFICATION LOT PROTOCOL AND GENERAL INFORMATION REGARDING THIS MATERIAL QUALIFICATION

- 1) THIS DOCUMENT RELATES TO THE QUALIFICATION OF THE LF500 QUALIFICATION IN TIANJIN
- 2) THIS QUALIFICATION PLAN IS BASED ON AUTOMOTIVE SPECIFICATION AEC-Q200
- 3) FORMATION OF QUALIFICATION LOTS
 - a) THE LF500 DIELECTRIC WILL BE QUALIFIED BY FAMILY OF PARTS. THREE LOTS OF THE FOLLOWING DESIGNS WILL BE TESTED PER J9000
 - i **VC06AG18120YAT VC060305A150**
 - ii **VC080505C150 VC080518C400**
 - iii **VC120605D150 VC120630D650**
 - iv **VC121018J390 VC121030H620**
 - b) THE FOLLOWING PART NUMBERS WILL BE USED TO QUALIFY FOR AUTOMOTIVE SPECIFICATION (1 LOT EACH) PER AEC-Q200 (Thermal Cycle, Thermal shock, RTSH, Solderability, Vibration, High Temp, Board Flex, Sheer Test, Moisture Resistance, Solvent Resistance)
 - i **VC06AG18120YAT LF500**
 - ii **VC080518C400 LF500**
 - iii **VC120618D400 LF500**
 - iv **VC121018J390 LF500**
 - c) SINGLE LOT QUALS WILL BE COMPLETED ON ALL OTHER PART NUMBERS AS SHOWN IN TABLE ON QUAL LOT PLAN
 - d) THIS QUALIFICATION WILL INVOLVE MANUFACTURING LOTS ENTIRELY IN TIANJIN, ALL ON LF500
 - i TIANJIN WILL MANUFACTURE AND FINISH REQUIRED LOTS AS SPECIFIED IN LOT QUAL SHEET
 - ii SUBMIT 1000 PIECES FROM EACH LOT TO COVER ALL TESTING
 - iii FORWARD ALL TEST SAMPLES WITH LOT IDENTIFICATION TO:
MR JOHN NICKLES
2875 HIGHWAY 501
CONWAY SC 29526
USA
- 4) TEST RESULTS AND QUALIFICATION PACKAGE WILL BE PROVIDED BY QA/ ENG WHEN COMPLETE

J-9000 QUALIFICATION INSPECTION

EXAMINATION OR TEST	TEST ITEMS	TEST METHOD*	TEST CRITERIA	SAMPLE SIZE	ACCEPT / REJECT
Group I					
Visual and Mechanical Inspection	Physical dimensions	20X microscope and/or appropriate measurement device	Meets product specification	30	Lots within specification. Compare to former system.
Breakdown Voltage (Vb)		1mA, 50ms minimum	+/- 10% from initial value	30	
Leakage Current (I _L)		Working voltage	Meets product specification		
Clamping Voltage (Vc)		8 x 20 microsec pulse. 0.05-0.4J tested at 1A; >0.4J tested at 5A.	Less than maximum limit as specified in product specification		
Capacitance		0.5Vrms: <= 0.1J @ 1MHz; >0.1J @ 1KHz	+100%, -50% of catalog value		
Group II					
Humidity Life		85C/85%RH/Rated Voltage for 500 hours. Readings at 0,100/250/500 hours	After 500 hours, Vb within 10% of original value	80	1/2
Group III					
Life		125C/Rated Voltage for 1000 hours. Readings at 0/250/500/1000 hours	After 1000 hours, Vb within 10% of original value	80	1/2
Group IV					
Peak Current (Ip)		a) Apply 1mA of one polarity b) Apply 8 X 20 microsec current pulse c) Apply 1mA in same polarity as a) and b)	Vb in c) within 10% of a)	100	1/2
Transient Energy (Et)		a) Apply 1mA of one polarity b) Apply 8 X 20 microsec current pulse c) Apply 1mA in same polarity as a) and b)	Vb in c) within 10% of a)	100	1/2

