



Material Composition Declaration

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This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.

Adobe Reader version 7.0.5 is required to complete this declaration.

1752-2 1.1	IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x	Form Type * Request/Reply	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Inform
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Requester Information Lock Request Fields

Company Name *	Company Unique ID	Unique ID Authority	Request Date*	Request Document ID	Respond By Date
Contact Name *	Contact Title Quality Manager	Contact Phone *	Contact Email *	Requester Comments or URL for Additional Information	
My supplier ID	The File Type and Destination fields control how the form is submitted by the supplier. Consult your IT staff for configuration.		File Type PDF	Destination - URL or Email Address	<input type="checkbox"/> Supplier provides Mfr Item Version & Manufacturing Site.
Item Number *	Item Name	Mfr Item Number *	Mfr Item Name	Mfr Item Version	Manufacturing Site
MCF 2W 470R		MCF 2W 470R	Carbon Film Fixed Resistors		Thailand

Supplier Information

Company Name *	Company Unique ID	Unique ID Authority	Response Date *	Response Document ID				
element14			2019-10-08					
Contact Name *	Title - Contact	Phone - Contact *	Email - Contact *	Duplicate Contact -> Authorized Representative				
Kim Mai	Environment Officer	+86 0755 83054888	KMai@element14.com					
Authorized Representative *	Title - Representative	Phone - Representative *	Email - Representative *	Supplier Comments or URL for Additional Information				
Kim Mai	Environment Officer	+86 0755 83054888	KMai@element14.com					
Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site	Weight *	UOM	Unit Type
MCF 2W 470R	MCF 2W 470R	Carbon Film Fixed Resistors			Thailand	205	mg	Each
Alternate Recommendation			Alternate Item Comments					

Manufacturing Process Information

Terminal Plating / Grid Array Material	Terminal Base Alloy	J-STD-020 MSL Rating	Peak Process Body Temperature	Max Time at Peak Temperature	Number of Reflow Cycles
Matte Tin (Sn)	Other	1	260 C	10 seconds	
Comments					

* Required Field

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Save the fields in this form to a file Import fields from a file into this form Clear all of the fields on this form Lock the fields on this form to prevent changes

RoHS Material Composition Declaration Declaration Type *

RoHS Directive 2002/95/EC RoHS Definition: Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium

Enter your statement here:

RoHS Declaration * Supplier Acceptance *

Exemptions: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.

Declaration Signature

Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.

Supplier Digital Signature

* Required Field

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Homogeneous Material Composition Declaration for Electronic Products

Subitem Instructions: The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).

Line Functions: +I Inserts a New Item /Subitem +M Inserts a new Material +C Inserts a new Substance Category +S Inserts a new Substance - Deletes the element line

Item/Subitem Name	Homogeneous Material	Weight	Unit of Measure	Level	Substance Category	Substance	CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM
											-	+	
+I -1 MCF 2W 470R	+M -N Ceramic Core	36.01	mg	+C -C Supplier	Ceramic	+S -S Aluminium oxide	1344-28-1		* 26.12	mg	*		
						+S -S Silicon dioxide	14808-60-7		* 7.77	mg	*		
						+S -S Barium oxide	1304-28-5		* 2.12	mg	*		
+M -M Resistor Film	0.11	mg	+C -C Supplier	Carbon film	+S -S Carbon	7440-44-0		* 0.07	mg	*			
					+S -S Silicon	7440-21-3		* 0.04	mg	*			
+M -M End Cap	14.59	mg	+C -C Supplier	Iron alloy plate	+S -S Iron	7439-89-6		* 11.44	mg	*			
					+S -S Copper	7440-50-8		* 1.74	mg	*			
					+S -S Tin	7440-31-5		* 1.41	mg	*			
+M -M Leaded Wire	91.8	mg	+C -C Supplier	Copper	+S -S Copper	7440-50-8		* 91.8	mg	*			
+M -M Insulation Coat	61.49	mg	+C -C Supplier	Epoxy resin	+S -S Epoxy resin	25085-99-8		* 43.043	mg	*			
					+S -S Calcium carbonate	471-34-1		* 1.814	mg	*			
					+S -S Titanium dioxide	13463-67-7		* 16.633	mg	*			
+M -M Color Code	1	mg	+C -C Supplier	Epoxy resin	+S -S Epoxy resin	25085-99-8		* 0.75	mg	*			
					+S -S Titanium dioxide	13463-67-7		* 0.25	mg	*			

Homogeneous Material Composition Declaration for Electronic Products

Requester Instructions: The requester can optionally include additional substance categories and substances that must be declared for the item on this form. This is in addition to JIG Level A and JIG Level B substances already included for the JIG section. The requester should enter additional substance categories and then enter name of the substance and the CAS number. These entries will be accessible to the supplier via Level drop-down by selecting "Requester". Use the Load "Requester" and Test button to view the entries, just select "Requester" in the Level drop-down list in the previous section.

Substance Category	Substance	CAS
+C -C	+S -S	

* Required Field

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Update Level "Requester" and Test

Clear Level "Requester" values

* Required Field

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