



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 * Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat
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Supplier Information

Company Name *	Company Unique ID	Unique ID Authority	Response Date *	Response Document ID				
ANAREN MICROWAVE INC.	6231		2011-04-06					
Contact Name *	Title - Contact	Phone - Contact *	Email - Contact *					
Sarvesh Nair		(315) 362-0410	snair@anaren.com					
Authorized Representative *	Title - Representative	Phone - Representative *	Email - Representative *	Supplier Comments or URL for Additional Information				
Sarvesh Nair		(315) 362-0410	snair@anaren.com					
Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site	Weight *	UOM	Unit Type
	C150N50Z4	150W Termination SMD	2010-11-22		Suzhou, China	149.04	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) - with Nickel (Ni) barrier	Other	1	260 C	30 seconds	3

Comments

Save the fields in this form to a file

Export Data

Import fields from a file into this form

Import Data

Locked

RoHS Material Composition Declaration

Declaration Type *

Simplified

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

Supplier certifies that it gathered the information it provides in this form concerning RoHS restrictive substances using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form.

RoHS Declaration *

1 - Item(s) does not contain RoHS restricted substances per the definition above

Supplier Acceptance *

Accepted

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

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
											-	+	
C150N50Z4	Conductor	2.55552	mg	Supplier		Silver (Ag)	7440-22-4		2.32553	mg			15,604
						Cobalt (Co)	7440-48-4		0.03833	mg			257
						Titanium (Ti)	7440-32-6		0.19166	mg			1,286
Substrate		135.3199	mg	Supplier		Aluminum Nitride (AlN)	24304-00-5		128.554	mg			862,57
						Yttrium (III) oxide (Y2O3)	1314-36-9		6.76598	mg			45,399
Thick Film Resis		2.08108	mg	Supplier		Ruthenium (IV) Oxide (R)	12036-10-1		0.96446	mg			6,471
						Boron Oxide (BO)	1303-86-2		0.27601	mg			1,852
						Magnesium oxide (MgO)	1309-48-4		0.24067	mg			1,615
						Silicon dioxide (SiO2)	14808-60-7		0.1052	mg			706
						Zinc oxide (ZnO)	1314-13-2		0.21873	mg			1,468
						Aluminum Oxide (Al2O3)	1344-28-1		0.27601	mg			1,852
Protective Layer		1.80794	mg	Supplier		Aluminum Oxide (Al2O3)	1344-28-1		0.11625	mg			780
						Boron Oxide (BO)	1303-86-2		0.38744	mg			2,600
						Chromium(III) oxide (Cr)	1308-38-9		0.02567	mg			172
						Silicon dioxide (SiO2)	14808-60-7		0.11625	mg			780
						Zinc oxide (ZnO)	1314-13-2		1.16233	mg			7,799
Protective Polym		3.17582	mg	Supplier		Cobalt (Co)	7440-48-4		0.95275	mg			6,393
						Proprietary Blue Pigme	ERI2001		0.95274	mg			6,393
						Molybdenum (Mo)	7439-98-7		1.27033	mg			8,524
Part Number Mat		0.3972	mg	Supplier		Silica Amorphous (SiO2)	7631-86-9		0.05676	mg			381
						Titanium Dioxide (TiO2)	13463-67-7		0.34044	mg			2,284
Plating		2.2968	mg	Supplier		Tin	7440-31-5		2.2968	mg			15,411
Nickel (external		1.4001	mg	B	Nickel (external applic	Nickel	7440-02-0		1.4001	mg			9,394