

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA90R800C3	**Issued**	29. August 2013
MA#	MA000468300		
Package	PG-TO220-3-111	**Weight***	2241.15 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	6.653	0.30	0.30	2969	2969
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		307	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.62	30.66	306191	306590
wire	non noble metal	aluminium	7429-90-5	1.243	0.06	0.06	555	555
encapsulation	organic material	carbon black	1333-86-4	2.204	0.10		983	
	plastics	epoxy resin	-	207.139	9.24		92425	
	inorganic material	silicondioxide	60676-86-0	892.460	39.81	49.15	398214	491623
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3544	3544
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136
solder	non noble metal	antimony	7440-36-0	0.342	0.02		153	
	noble metal	silver	7440-22-4	0.855	0.04		381	
	non noble metal	tin	7440-31-5	2.222	0.10	0.16	991	1525
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	iron	7439-89-6	0.433	0.02		193	
	non noble metal	copper	7440-50-8	432.110	19.28	19.31	192807	193058
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com