



Material Content Data Sheet



Sales Product Name		IPA50R190CE		Issued		27. August 2015		
MA#		MA000994640						
Package		PG-TO220-3-111		Weight*		2241.08 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	6.706	0.30	0.30	2992	2992
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	306201	306600
wire	non noble metal	aluminium	7429-90-5	2.657	0.12	0.12	1186	1186
encapsulation	organic material	carbon black	1333-86-4	2.200	0.10		982	
	plastics	epoxy resin	-	206.846	9.23		92297	
	inorganic material	silicondioxide	60676-86-0	891.198	39.76	49.09	397662	490942
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	0.344	0.02		154	
	noble metal	silver	7440-22-4	0.860	0.04		384	
	non noble metal	tin	7440-31-5	2.236	0.10	0.16	998	1536
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.28	19.31	192813	193064
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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.

This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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