



Material Content Data Sheet



Sales Product Name		IPA50R800CE		Issued		24. January 2018		
MA#		MA001809754						
Package		PG-TO220-3-312		Weight*		2056.11 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	2.092	0.10	0.10	1017	1017
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		461	
	non noble metal	copper	7440-50-8	947.445	46.08	46.14	460797	461396
	non noble metal	aluminium	7429-90-5	0.849	0.04	0.04	413	413
wire	non noble metal	aluminium	7429-90-5	0.849	0.04	0.04	413	413
encapsulation	organic material	carbon black	1333-86-4	10.918	0.53		5310	
	plastics	epoxy resin	-	174.693	8.50		84963	
	inorganic material	silicondioxide	60676-86-0	906.219	44.07	53.10	440746	531019
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5396	5396
solder	non noble metal	antimony	7440-36-0	0.156	0.01		76	
	noble metal	silver	7440-22-4	0.390	0.02		190	
	non noble metal	tin	7440-31-5	1.015	0.05	0.08	493	759
*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.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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