



Material Content Data Sheet



Sales Product Name		IPA60R400CE		Issued		27. September 2017		
MA#		MA001281872						
Package		PG-TO220-3-312		Weight*		2057.08 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	4.522	0.22	0.22	2198	2198
leadframe	non noble metal	iron	7439-89-6	0.949	0.05		461	
	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	copper	7440-50-8	947.445	46.06	46.12	460578	461177
wire	non noble metal	aluminium	7429-90-5	8.105	0.39	0.39	3940	3940
encapsulation	organic material	carbon black	1333-86-4	10.819	0.53		5260	
	plastics	epoxy resin	-	173.109	8.42		84153	
	inorganic material	silicondioxide	60676-86-0	898.001	43.65	52.60	436542	525955
leadfinish	non noble metal	tin	7440-31-5	11.234	0.55	0.55	5461	5461
solder	non noble metal	antimony	7440-36-0	0.261	0.01		127	
	noble metal	silver	7440-22-4	0.652	0.03		317	
	non noble metal	tin	7440-31-5	1.696	0.08	0.12	825	1269
*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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