



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R280P6	Issued	31. March 2021
MA#	MA001371738		
Package	PG-TO220-3-313	Weight*	2207.46 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	5.826	0.26	0.26	2639	2639
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.87	40.92	408682	409214
wire	non noble metal	aluminium	7429-90-5	3.627	0.16	0.16	1643	1643
encapsulation	organic material	carbon black	1333-86-4	2.310	0.10		1047	
	plastics	epoxy resin	-	214.140	9.70		97007	
	inorganic material	silicondioxide	60676-86-0	920.525	41.71	51.51	417006	515060
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3568	3568
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.312	0.01		141	
	noble metal	silver	7440-22-4	0.779	0.04		353	
	non noble metal	tin	7440-31-5	2.025	0.09	0.14	917	1411
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65629	65715
*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 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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