

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA60R450E6	**Issued**	04. April 2021
MA#	MA001703032		
Package	PG-TO220-3-313	**Weight***	2207.75 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	4.072	0.18	0.18	1844	1844
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	40.86	40.91	408628	409160
wire	non noble metal	aluminium	7429-90-5	0.804	0.04	0.04	364	364
encapsulation	organic material	carbon black	1333-86-4	2.308	0.10		1045	
	plastics	epoxy resin	-	215.038	9.74		97401	
	inorganic material	silicondioxide	60676-86-0	925.187	41.91	51.75	419062	517508
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	0.243	0.01		110	
	noble metal	silver	7440-22-4	0.606	0.03		275	
	non noble metal	tin	7440-31-5	1.576	0.07	0.11	714	1099
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	65621	65707
*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.

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