

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA60R280E6	**Issued**	08. April 2021
MA#	MA005339078		
Package	PG-TO220-3-253	**Weight***	2135.33 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	0.27	0.27	2728	2728
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.91	67.00	669109	669980
wire	non noble metal	aluminium	7429-90-5	3.662	0.17	0.17	1715	1715
encapsulation	organic material	carbon black	1333-86-4	3.344	0.16		1566	
	plastics	epoxy resin	-	130.430	6.11		61082	
	inorganic material	silicondioxide	60676-86-0	535.097	25.06	31.33	250593	313241
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10051	10051
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.312	0.01		146	
	noble metal	silver	7440-22-4	0.779	0.04		365	
	non noble metal	tin	7440-31-5	2.025	0.09	0.14	948	1459
*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.
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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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