

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA60R280P7S E8228	**Issued**	06. April 2021
MA#	MA002478866		
Package	PG-TO220-3-312	**Weight***	2055.77 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	3.030	0.15	0.15	1474	1474
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	46.09	46.15	460872	461471
wire	non noble metal	aluminium	7429-90-5	3.763	0.18	0.18	1830	1830
encapsulation	organic material	carbon black	1333-86-4	10.842	0.53		5274	
	plastics	epoxy resin	-	174.313	8.48		84793	
	inorganic material	silicondioxide	60676-86-0	902.052	43.88	52.89	438792	528859
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5397	5397
solder	non noble metal	antimony	7440-36-0	0.199	0.01		97	
	noble metal	silver	7440-22-4	0.498	0.02		242	
	non noble metal	tin	7440-31-5	1.296	0.06	0.09	630	969
*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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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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