

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA60R180P7S	**Issued**	05. April 2021
MA#	MA001994464		
Package	PG-TO220-3-312	**Weight***	2055.16 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	4.174	0.20	0.20	2031	2031
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		462	
	non noble metal	copper	7440-50-8	947.445	46.10	46.16	461008	461608
wire	non noble metal	aluminium	7429-90-5	3.958	0.19	0.19	1926	1926
encapsulation	organic material	carbon black	1333-86-4	10.795	0.53		5253	
	plastics	epoxy resin	-	174.193	8.48		84759	
	inorganic material	silicondioxide	60676-86-0	899.770	43.78	52.79	437811	527823
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5399	5399
solder	non noble metal	antimony	7440-36-0	0.249	0.01		121	
	noble metal	silver	7440-22-4	0.623	0.03		303	
	non noble metal	tin	7440-31-5	1.621	0.08	0.12	789	1213
*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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