

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPB100N06S2-05	**Issued**	04. May 2021
MA#	MA001068826		
Package	PG-TO263-3-2	**Weight***	1567.07 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	12.294	0.78	0.78	7845	7845
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	iron	7439-89-6	0.304	0.02		194	
	non noble metal	copper	7440-50-8	304.026	19.40	19.43	194009	194261
wire	non noble metal	aluminium	7429-90-5	12.153	0.78	0.78	7755	7755
encapsulation	inorganic material	zincoxide	1314-13-2	6.722	0.43		4289	
	miscellaneous	miscellaneous	-	26.887	1.72		17157	
	plastics	epoxy resin	-	100.825	6.43		64340	
	inorganic material	silicondioxide	60676-86-0	537.734	34.31	42.89	343146	428932
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6162	6162
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	146	147
solder	non noble metal	tin	7440-31-5	0.155	0.01		99	
	noble metal	silver	7440-22-4	0.194	0.01		124	
	non noble metal	lead	7439-92-1	7.423	0.47	0.49	4737	4960
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		350	
	non noble metal	copper	7440-50-8	547.666	34.95	35.00	349483	349938
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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