



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP050N10NF2S	Issued	14. February 2022
MA#	MA005626402		
Package	PG-TO220-3-60	Weight*	1987.92 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	4.467	0.22	0.22	2247	2247
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		123	
	non noble metal	iron	7439-89-6	0.816	0.04		411	
	non noble metal	copper	7440-50-8	815.335	41.03	41.08	410144	410678
wire	non noble metal	aluminium	7429-90-5	7.097	0.36	0.36	3570	3570
encapsulation	organic material	carbon black	1333-86-4	2.831	0.14		1424	
	plastics	epoxy resin	-	113.239	5.70		56964	
	inorganic material	silicondioxide	60676-86-0	450.126	22.64	28.48	226430	284818
solder	non noble metal	tin	7440-31-5	0.071			36	
	noble metal	silver	7440-22-4	0.088			44	
	non noble metal	lead	7439-92-1	3.376	0.17	0.17	1698	1778
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		89	
	non noble metal	iron	7439-89-6	0.590	0.03		297	
	non noble metal	copper	7440-50-8	589.466	29.65	29.69	296523	296909
*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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