



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP082N10NF2S	Issued	24. June 2021
MA#	MA005549862		
Package	PG-TO220-3-60	Weight*	1986.67 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	2.691	0.14	0.14	1355	1355
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	41.05	41.10	410404	410938
wire	non noble metal	aluminium	7429-90-5	6.942	0.35	0.35	3495	3495
encapsulation	organic material	carbon black	1333-86-4	2.839	0.14		1429	
	plastics	epoxy resin	-	113.574	5.72		57168	
	inorganic material	silicondioxide	60676-86-0	451.455	22.72	28.58	227242	285839
solder	non noble metal	tin	7440-31-5	0.051			26	
	noble metal	silver	7440-22-4	0.063			32	
	non noble metal	lead	7439-92-1	2.420	0.12	0.12	1218	1276
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	29.67	29.71	296711	297097
*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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