

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP70N12S3-11	**Issued**	06. May 2021
MA#	MA001401744		
Package	PG-TO220-3-1	**Weight***	2038.37 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	5.833	0.29	0.29	2862	2862
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.01	40.06	399992	400513
wire	non noble metal	aluminium	7429-90-5	6.598	0.32	0.32	3237	3237
encapsulation	inorganic material	zincoxide	1314-13-2	5.929	0.29		2908	
	miscellaneous	miscellaneous	-	23.714	1.16		11634	
	plastics	epoxy resin	-	88.928	4.36		43627	
	inorganic material	silicondioxide	60676-86-0	474.280	23.27	29.08	232676	290845
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10529	10529
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	tin	7440-31-5	0.095			47	
	noble metal	silver	7440-22-4	0.119	0.01		58	
	non noble metal	lead	7439-92-1	4.537	0.22	0.23	2226	2331
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.92	28.96	289185	289562
*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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