



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP076N15N5	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA005550324		
<b>Package</b>	PG-TO220-3-1	<b>Weight*</b>	2039.13 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	4.421	0.22	0.22	2168	2168
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		400	
	non noble metal	copper	7440-50-8	815.335	39.99	40.04	399844	400364
wire	non noble metal	aluminium	7429-90-5	12.320	0.60	0.60	6042	6042
encapsulation	inorganic material	zinc oxide	1314-13-2	5.901	0.29		2894	
	miscellaneous	miscellaneous	-	23.602	1.16		11575	
	plastics	epoxy resin	-	88.509	4.34		43405	
	inorganic material	silicon dioxide	60676-86-0	472.049	23.15	28.94	231495	289369
lead finish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10525	10525
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	0.080			39	
	noble metal	silver	7440-22-4	0.100			49	
	non noble metal	lead	7439-92-1	3.813	0.19	0.19	1870	1958
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		289	
	non noble metal	copper	7440-50-8	589.466	28.91	28.95	289077	289453
*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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