



## Material Content Data Sheet



<b>Sales Product Name</b>		IPI120N10S4-05		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001181804						
<b>Package</b>		PG-TO262-3-1		<b>Weight*</b>		1574.52 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	5.786	0.37	0.37	3675	3675
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		540	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	copper	7440-50-8	849.682	53.96	54.03	539645	540347
wire	non noble metal	aluminium	7429-90-5	9.783	0.62	0.62	6213	6213
encapsulation	organic material	carbon black	1333-86-4	8.733	0.55		5546	
	plastics	epoxy resin	-	96.061	6.10		61010	
	inorganic material	silicondioxide	60676-86-0	477.397	30.32	36.97	303202	369758
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9652	9652
plating	non noble metal	nickel	7440-02-0	0.228	0.01		145	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	539644	145
solder	noble metal	silver	7440-22-4	0.105	0.01		67	
	non noble metal	tin	7440-31-5	0.084	0.01		53	
	non noble metal	lead	7439-92-1	4.009	0.25	0.27	2546	2666
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		68	
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	copper	7440-50-8	106.210	6.75	6.76	67456	67544
*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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