



Material Content Data Sheet



Sales Product Name				IPI051N15N5		Issued		22. January 2018	
MA#				MA001653060					
Package				PG-TO262-3-1		Weight*		1576.50 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	7.046	0.45	0.45	4469	4469	
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162		
	non noble metal	iron	7439-89-6	0.851	0.05		540		
	non noble metal	copper	7440-50-8	849.682	53.90	53.97	538966	539668	
	non noble metal	aluminium	7429-90-5	11.382	0.72	0.72	7220	7220	
wire	non noble metal	aluminium	7429-90-5	11.382	0.72	0.72	7220	7220	
encapsulation	organic material	carbon black	1333-86-4	8.691	0.55		5513		
	plastics	epoxy resin	-	95.601	6.06		60641		
	inorganic material	silicondioxide	60676-86-0	475.109	30.14	36.75	301370	367524	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9640	9640	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	145	146	
solder	non noble metal	tin	7440-31-5	0.122	0.01		78		
	noble metal	silver	7440-22-4	0.153	0.01		97		
	non noble metal	lead	7439-92-1	5.834	0.37	0.39	3700	3875	
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20		
	non noble metal	iron	7439-89-6	0.106	0.01		67		
	non noble metal	copper	7440-50-8	106.210	6.74	6.75	67371	67458	
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com