



Material Content Data Sheet



Sales Product Name				IPI147N12N3 G		Issued		1. August 2018	
MA#				MA000793900					
Package				PG-TO262-3-1		Weight*		1573.68 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	4.429	0.28	0.28	2814	2814	
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162		
	non noble metal	iron	7439-89-6	0.851	0.05		541		
	non noble metal	copper	7440-50-8	849.682	54.00	54.07	539935	540638	
	non noble metal	aluminium	7429-90-5	6.042	0.38	0.38	3839	3839	
wire	non noble metal	aluminium	7429-90-5	6.042	0.38	0.38	3839	3839	
encapsulation	organic material	carbon black	1333-86-4	8.800	0.56		5592		
	plastics	epoxy resin	-	96.803	6.15		61514		
	inorganic material	silicondioxide	60676-86-0	481.081	30.57	37.28	305706	372812	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9657	9657	
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	0.079	0.00		50		
	noble metal	silver	7440-22-4	0.099	0.01		63		
	non noble metal	lead	7439-92-1	3.779	0.24	0.25	2401	2514	
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20		
	non noble metal	iron	7439-89-6	0.106	0.01		68		
	non noble metal	copper	7440-50-8	106.210	6.75	6.76	67492	67580	
*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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