



Material Content Data Sheet



Sales Product Name		IPI120N04S4-01		Issued		19. July 2018		
MA#		MA001055188						
Package		PG-TO262-3-1		Weight*		1575.01 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	6.481	0.41	0.41	4115	4115
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	539477	540180
wire	non noble metal	aluminium	7429-90-5	9.956	0.63	0.63	6321	6321
encapsulation	organic material	carbon black	1333-86-4	8.721	0.55		5537	
	plastics	epoxy resin	-	95.929	6.09		60907	
	inorganic material	silicondioxide	60676-86-0	476.738	30.27	36.91	302690	369134
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9649	9649
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	1	145
solder	noble metal	silver	7440-22-4	0.115	0.01		73	
	non noble metal	tin	7440-31-5	0.092	0.01		59	
	non noble metal	lead	7439-92-1	4.411	0.28	0.30	2801	2933
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	6.74	6.75	67435	67523
*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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