



Material Content Data Sheet



Sales Product Name		IPI120N04S4-01		Issued		24. January 2018		
MA#		MA000767218						
Package		PG-TO262-3-1		Weight*		1575.05 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	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	53.96	54.03	539462	540164
	non noble metal	aluminium	7429-90-5	9.963	0.63	0.63	6326	6326
wire	non noble metal	aluminium	7429-90-5	9.963	0.63	0.63	6326	6326
encapsulation	organic material	carbon black	1333-86-4	8.721	0.55		5537	
	plastics	epoxy resin	-	95.928	6.09		60904	
	inorganic material	silicondioxide	60676-86-0	476.733	30.27	36.91	302677	369118
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9649	9649
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	0.093	0.01		59	
	noble metal	silver	7440-22-4	0.117	0.01		74	
	non noble metal	lead	7439-92-1	4.455	0.28	0.30	2829	2962
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	6.74	6.75	67432	67520
*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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