



Material Content Data Sheet



Sales Product Name				IPI120N06S4-02		Issued		22. January 2018	
MA#				MA001036794					
Package				PG-TO262-3-1		Weight*		1584.92 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	7.633	0.48	0.48	4816	4816	
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		537		
	inorganic material	phosphorus	7723-14-0	0.255	0.02		161		
	non noble metal	copper	7440-50-8	849.682	53.61	53.68	536104	536803	
wire	non noble metal	aluminium	7429-90-5	92.897	5.86	5.86	58613	58613	
encapsulation	organic material	carbon black	1333-86-4	7.598	0.48		4794		
	plastics	epoxy resin	-	83.581	5.27		52735		
	inorganic material	silicondioxide	60676-86-0	415.373	26.21	31.96	262079	319608	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9589	9589	
plating	non noble metal	nickel	7440-02-0	0.228	0.01		144		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	144	
solder	noble metal	silver	7440-22-4	0.132	0.01		83		
	non noble metal	tin	7440-31-5	0.105	0.01		67		
	non noble metal	lead	7439-92-1	5.035	0.32	0.34	3177	3327	
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		67		
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20		
	non noble metal	copper	7440-50-8	106.210	6.70	6.71	67013	67100	
*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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