



Material Content Data Sheet



Sales Product Name		IKW40T120		Issued		19. July 2018		
MA#		MA000920384						
Package		PG-TO247-3-41		Weight*		6055.40 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	17.938	0.30	0.30	2962	2962
leadframe	non noble metal	iron	7439-89-6	3.972	0.07		656	
	inorganic material	phosphorus	7723-14-0	1.192	0.02		197	
	non noble metal	copper	7440-50-8	3967.074	65.49	65.58	655130	655983
wire	non noble metal	aluminium	7429-90-5	16.970	0.28	0.28	2802	2802
encapsulation	organic material	carbon black	1333-86-4	19.778	0.33		3266	
	plastics	epoxy resin	-	375.785	6.21		62058	
	inorganic material	silicondioxide	60676-86-0	1582.253	26.13	32.67	261297	326621
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.950	0.02		157	
	noble metal	silver	7440-22-4	2.374	0.04		392	
	non noble metal	tin	7440-31-5	6.173	0.10	0.16	1019	1568
*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 does not use any exemption

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