



Material Content Data Sheet



Sales Product Name				IKW75N65ES5		Issued		31. July 2018	
MA#				MA002167796					
Package				PG-TO247-3-44		Weight*		6050.90 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip_1	inorganic material	silicon	7440-21-3	3.773	0.06	0.06	624	624	
chip_2	inorganic material	silicon	7440-21-3	3.143	0.05	0.05	519	519	
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	iron	7439-89-6	0.530	0.01		88		
wire	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87436	87550	
	non noble metal	aluminium	7429-90-5	16.497	0.27	0.27	2726	2726	
encapsulation	organic material	carbon black	1333-86-4	19.888	0.33		3287		
	plastics	epoxy resin	-	377.871	6.24		62449		
leadfinish	inorganic material	silicondioxide	60676-86-0	1591.034	26.29	32.86	262942	328678	
	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803	
solder	non noble metal	antimony	7440-36-0	0.551	0.01		91		
	noble metal	silver	7440-22-4	1.378	0.02		228		
heatspreader	non noble metal	tin	7440-31-5	3.583	0.06	0.09	592	911	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	iron	7439-89-6	3.442	0.06		569		
	non noble metal	copper	7440-50-8	3438.006	56.83	56.91	568181	568921	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com