



## Material Content Data Sheet



<b>Sales Product Name</b>				KP253		<b>Issued</b>		19. January 2018	
<b>MA#</b>				MA001399420					
<b>Package</b>				PG-D50F-8-16		<b>Weight*</b>		224.01 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	9.606	4.29	4.29	42883	42883	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		41		
	non noble metal	zinc	7440-66-6	0.037	0.02		165		
	non noble metal	iron	7439-89-6	0.740	0.33		3302		
wire	non noble metal	copper	7440-50-8	30.034	13.41	13.76	134071	137579	
	noble metal	gold	7440-57-5	0.169	0.08	0.08	753	753	
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2624	
encapsulation	plastics	silicone resin	-	17.373	7.76		77555		
	plastics	epoxy resin	-	21.305	9.51		95104		
	inorganic material	silicondioxide	60676-86-0	125.036	55.80	73.33	558166	733449	
leadfinish	noble metal	gold	7440-57-5	0.020	0.01		89		
	noble metal	palladium	7440-05-3	0.020	0.01		90		
	non noble metal	nickel	7440-02-0	0.196	0.09		875		
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.11	2	1056	
	inorganic material	chromiumoxide	1308-38-9	0.284	0.13		1267		
	inorganic material	zincoxide	1314-13-2	0.662	0.30	0.43	2956	4223	
lid attach material	organic material	carbon black	1333-86-4	0.005	0.00		22		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2124		
	plastics	epoxy resin	-	0.500	0.22	0.43	2234	4380	
lid	inorganic material	glass fibre	-	5.716	2.55		25516		
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.83	6.38	38275	63791	
glue	inorganic material	alumina	1344-28-1	0.146	0.07		654		
	inorganic material	titandioxide	13463-67-7	0.027	0.01		119		
	inorganic material	silicondioxide	60676-86-0	0.493	0.22		2199		
	plastics	silicone resin	-	1.997	0.89	1.19	8914	11886	
*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

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