



## Material Content Data Sheet



<b>Sales Product Name</b>				KP216K1409		<b>Issued</b>		3. July 2019	
<b>MA#</b>				MA000857986					
<b>Package</b>				PG-D50F-8-16		<b>Weight*</b>		225.97 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	12.745	5.64	5.64	56400	56400	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		41		
	non noble metal	zinc	7440-66-6	0.037	0.02		164		
	non noble metal	iron	7439-89-6	0.740	0.33		3273		
wire	non noble metal	copper	7440-50-8	30.034	13.29	13.64	132909	136387	
	noble metal	gold	7440-57-5	0.168	0.07	0.07	745	745	
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2601	
encapsulation	plastics	epoxy resin	-	21.305	9.43		94280		
	inorganic material	silicondioxide	60676-86-0	125.036	55.34	65.03	553328	650209	
	leadfinish	inorganic material	phosphorus	7723-14-0	0.000	0.00		2	
leadfinish	noble metal	gold	7440-57-5	0.015	0.01		67		
	noble metal	palladium	7440-05-3	0.015	0.01		67		
	non noble metal	nickel	7440-02-0	0.149	0.07	0.09	658	794	
	plating	inorganic material	chromiumoxide	1308-38-9	0.002	0.00		8	
plating	inorganic material	zinc	1314-13-2	0.004	0.00	0.00	18	26	
	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		2106		
lid	plastics	epoxy resin	-	0.500	0.22	0.43	2215	4343	
	lid	inorganic material	glass fibre	-	5.716	2.53		25295	
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.79	6.32	37943	63238	
glue	inorganic material	titandioxide	13463-67-7	0.025	0.01		110		
	inorganic material	alumina	1344-28-1	0.137	0.06		604		
	inorganic material	silicondioxide	60676-86-0	0.459	0.20		2032		
gel	plastics	silicone resin	-	1.861	0.82	1.09	8238	10984	
	plastics	silicone resin	-	17.371	7.69	7.69	76874	76874	
*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