



Material Content Data Sheet



Sales Product Name				KP254		Issued		22. January 2018	
MA#				MA001625770					
Package				PG-D50F-8-16		Weight*		222.41 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	9.453	4.25	4.25	42502	42502	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		42		
	non noble metal	zinc	7440-66-6	0.037	0.02		166		
	non noble metal	iron	7439-89-6	0.740	0.33		3326		
wire	non noble metal	copper	7440-50-8	30.034	13.50	13.85	135041	138575	
	noble metal	gold	7440-57-5	0.169	0.08	0.08	758	758	
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2643	
encapsulation	plastics	silicone resin	-	17.373	7.81		78115		
	plastics	epoxy resin	-	21.305	9.58		95792		
	inorganic material	silicondioxide	60676-86-0	125.036	56.23	73.88	562201	738751	
leadfinish	inorganic material	phosphorus	7723-14-0	0.000	0.00		2		
	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	0.11	882	1063	
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		2140		
	plastics	epoxy resin	-	0.500	0.22	0.43	2250	4412	
lid	inorganic material	glass fibre	-	5.716	2.57		25701		
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.86	6.43	38552	64253	
glue	inorganic material	titandioxide	13463-67-7	0.022	0.01		97		
	inorganic material	alumina	1344-28-1	0.118	0.05		533		
	inorganic material	silicondioxide	60676-86-0	0.398	0.18		1792		
	plastics	silicone resin	-	1.615	0.73	0.97	7264	9686	
*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