



Material Content Data Sheet



Sales Product Name		KP254		Issued		2. August 2018		
MA#		MA001624632						
Package		PG-D50F-8-16		Weight*		222.42 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	42499	42499
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	135030	138564
	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		2642
leadfinish	plastics	epoxy resin	-	21.305	9.58		95785	
	inorganic material	silicondioxide	60676-86-0	125.036	56.24	66.08	562159	660586
	inorganic material	phosphorus	7723-14-0	0.000	0.00		2	
lid attach material	noble metal	gold	7440-57-5	0.021	0.01		94	
	noble metal	palladium	7440-05-3	0.021	0.01		95	
	non noble metal	nickel	7440-02-0	0.207	0.09	0.11	931	1122
	organic material	carbon black	1333-86-4	0.005	0.00		22	
lid	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2140	
	plastics	epoxy resin	-	0.500	0.22	0.43	2250	4412
	inorganic material	glass fibre	-	5.716	2.57		25699	
glue	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.85	6.42	38549	64248
	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	7263	9685
adhesion promoters	inorganic material	chromiumoxide	1308-38-9	0.003	0.00		13	
	inorganic material	zincoxide	1314-13-2	0.003	0.00	0.00	13	26
gel	plastics	silicone resin	-	17.371	7.81	7.81	78100	78100
*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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