



Material Content Data Sheet



Sales Product Name				KP200		Issued		25. January 2018	
MA#				MA001643150					
Package				PG-D50F-8-16		Weight*		227.22 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	13.861	6.10	6.10	61003	61003	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		41		
	non noble metal	zinc	7440-66-6	0.037	0.02		163		
	non noble metal	iron	7439-89-6	0.740	0.33		3255		
wire	non noble metal	copper	7440-50-8	30.034	13.22	13.57	132182	135641	
	noble metal	gold	7440-57-5	0.150	0.07	0.07	662	662	
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2587	
encapsulation	plastics	silicone resin	-	17.373	7.65		76462		
	plastics	epoxy resin	-	21.305	9.38		93764		
	inorganic material	silicondioxide	60676-86-0	125.036	55.01	72.30	550296	723109	
leadfinish	inorganic material	phosphorus	7723-14-0	0.000	0.00		2		
	noble metal	gold	7440-57-5	0.020	0.01		87		
	noble metal	palladium	7440-05-3	0.020	0.01		88		
	non noble metal	nickel	7440-02-0	0.196	0.09	0.11	863	1040	
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		2095		
	plastics	epoxy resin	-	0.500	0.22	0.43	2202	4319	
lid	inorganic material	glass fibre	-	5.716	2.52		25157		
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.77	6.29	37735	62892	
glue	inorganic material	titandioxide	13463-67-7	0.026	0.01		113		
	inorganic material	alumina	1344-28-1	0.142	0.06		623		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2097		
	plastics	silicone resin	-	1.932	0.85	1.13	8501	11334	
*deviation	< 10%		Sum in total:			100.00		1000000	

Important Remarks:

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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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