



Material Content Data Sheet



Sales Product Name				KP254		Issued		14. September 2018	
MA#				MA000948372					
Package				PG-D50F-8-16		Weight*		222.35 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	42512	42512	
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		3327		
wire	non noble metal	copper	7440-50-8	30.034	13.51	13.86	135074	138609	
	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	
leadfinish	plastics	epoxy resin	-	21.305	9.58		95816		
	inorganic material	silicondioxide	60676-86-0	125.036	56.23	66.07	562336	660795	
	inorganic material	phosphorus	7723-14-0	0.000	0.00		2		
plating	noble metal	gold	7440-57-5	0.015	0.01		68		
	noble metal	palladium	7440-05-3	0.015	0.01		68		
	non noble metal	nickel	7440-02-0	0.149	0.07	0.09	668	806	
lid attach material	inorganic material	chromiumoxide	1308-38-9	0.002	0.00		8		
	inorganic material	zincoxide	1314-13-2	0.004	0.00	0.00	18	26	
lid	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	0.23	0.44	2251	4413	
glue	inorganic material	glass fibre	-	5.716	2.57		25707		
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.86	6.43	38561	64268	
	inorganic material	titandioxide	13463-67-7	0.022	0.01		97		
gel	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	7265	9687	
*deviation	< 10%			17.371	7.81	7.81	78126	78126	
						Sum in total:	100.00	1000000	

Important Remarks:

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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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