



## Material Content Data Sheet



<b>Sales Product Name</b>				KP108-AD		<b>Issued</b>		14. September 2018	
<b>MA#</b>				MA003135614					
<b>Package</b>				PG-DSOF-8-16		<b>Weight*</b>		229.67 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	6.03	6.03	60349	60349	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		40		
	non noble metal	zinc	7440-66-6	0.037	0.02		161		
	non noble metal	iron	7439-89-6	0.740	0.32		3221		
wire	non noble metal	copper	7440-50-8	30.034	13.08	13.42	130766	134188	
	noble metal	gold	7440-57-5	0.150	0.07	0.07	655	655	
	organic material	carbon black	1333-86-4	0.588	0.26		2559		
encapsulation	plastics	epoxy resin	-	21.305	9.28		92760		
	inorganic material	silicondioxide	60676-86-0	125.036	54.44	63.98	544408	639727	
	inorganic material	phosphorus	7723-14-0	0.000	0.00		2		
leadfinish	noble metal	gold	7440-57-5	0.015	0.01		66		
	noble metal	palladium	7440-05-3	0.015	0.01		66		
	non noble metal	nickel	7440-02-0	0.149	0.06	0.08	647	781	
lid attach material	organic material	carbon black	1333-86-4	0.005	0.00		21		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2072		
	plastics	epoxy resin	-	0.500	0.22	0.43	2179	4272	
lid	inorganic material	glass fibre	-	7.561	3.29		32919		
	plastics	polyphenylene sulphide	26125-40-6	9.241	4.02	7.31	40235	73154	
glue	inorganic material	titandioxide	13463-67-7	0.026	0.01		112		
	inorganic material	alumina	1344-28-1	0.142	0.06		617		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2075		
gel	plastics	silicone resin	-	1.932	0.84	1.12	8410	11214	
	plastics	silicone resin	-	17.371	7.56	7.56	75634	75634	
	inorganic material	chromiumoxide	1308-38-9	0.003	0.00		13		
adhesion promoters	inorganic material	zincoxide	1314-13-2	0.003	0.00	0.00	13	26	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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