



## Material Content Data Sheet



<b>Sales Product Name</b>				KP108-AD		<b>Issued</b>		3. July 2019	
<b>MA#</b>				MA000930862					
<b>Package</b>				PG-DSOF-8-16		<b>Weight*</b>		227.16 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	61017	61017	
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		3256		
wire	non noble metal	copper	7440-50-8	30.034	13.22	13.57	132212	135672	
	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	
leadfinish	plastics	epoxy resin	-	21.305	9.38		93786		
	inorganic material	silicondioxide	60676-86-0	125.036	55.03	64.67	550427	646800	
	inorganic material	phosphorus	7723-14-0	0.000	0.00		2		
plating	noble metal	gold	7440-57-5	0.015	0.01		66		
	noble metal	palladium	7440-05-3	0.015	0.01		67		
	non noble metal	nickel	7440-02-0	0.149	0.07	0.09	654	789	
	inorganic material	chromiumoxide	1308-38-9	0.002	0.00		8		
lid attach material	inorganic material	zincoxide	1314-13-2	0.004	0.00	0.00	18	26	
	organic material	carbon black	1333-86-4	0.005	0.00		22		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2095		
lid	plastics	epoxy resin	-	0.500	0.22	0.43	2203	4320	
	inorganic material	glass fibre	-	5.716	2.52		25163		
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.77	6.29	37744	62907	
glue	inorganic material	titandioxide	13463-67-7	0.026	0.01		113		
	inorganic material	alumina	1344-28-1	0.142	0.06		624		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2097		
gel	plastics	silicone resin	-	1.932	0.85	1.13	8503	11337	
	plastics	silicone resin	-	17.371	7.65	7.65	76470	76470	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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