



## Material Content Data Sheet



<b>Sales Product Name</b>		KP234		<b>Issued</b>		4. October 2018		
<b>MA#</b>		MA001634862						
<b>Package</b>		PG-DSOF-8-16		<b>Weight*</b>		225.96 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	12.745	5.64	5.64	56402	56402
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		41	
	non noble metal	zinc	7440-66-6	0.037	0.02		164	
	non noble metal	iron	7439-89-6	0.740	0.33		3273	
wire	non noble metal	copper	7440-50-8	30.034	13.29	13.64	132914	136392
	noble metal	gold	7440-57-5	0.160	0.07	0.07	707	707
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2601
leadfinish	plastics	epoxy resin	-	21.305	9.43		94284	
	inorganic material	silicondioxide	60676-86-0	125.036	55.34	65.03	553351	650236
	inorganic material	phosphorus	7723-14-0	0.000	0.00		2	
lid attach material	noble metal	gold	7440-57-5	0.015	0.01		67	
	noble metal	palladium	7440-05-3	0.015	0.01		67	
	non noble metal	nickel	7440-02-0	0.149	0.07	0.09	658	794
lid	organic material	carbon black	1333-86-4	0.005	0.00		22	
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2106	
	plastics	epoxy resin	-	0.500	0.22	0.43	2215	4343
glue	inorganic material	glass fibre	-	5.716	2.53		25296	
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.79	6.32	37944	63240
	inorganic material	titandioxide	13463-67-7	0.025	0.01		110	
gel	inorganic material	alumina	1344-28-1	0.137	0.06		604	
	inorganic material	silicondioxide	60676-86-0	0.459	0.20		2032	
	plastics	silicone resin	-	1.861	0.82	1.09	8238	10984
adhesion promoters	plastics	silicone resin	-	17.371	7.69	7.69	76876	76876
*deviation	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
Sum in total:						100.00		1000000

### Important Remarks:

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