



## Material Content Data Sheet



<b>Sales Product Name</b>				KP275		<b>Issued</b>		24. January 2018	
<b>MA#</b>				MA001919210					
<b>Package</b>				PG-D50F-8-162		<b>Weight*</b>		211.13 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	14.369	6.81	6.81	68059	68059	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		44		
	non noble metal	zinc	7440-66-6	0.037	0.02		175		
	non noble metal	iron	7439-89-6	0.740	0.35		3503		
wire	non noble metal	copper	7440-50-8	30.034	14.23	14.60	142252	145974	
	noble metal	gold	7440-57-5	0.178	0.08	0.08	842	842	
	encapsulation	organic material	carbon black	1333-86-4	0.517	0.24		2448	
leadfinish	plastics	epoxy resin	-	18.738	8.88		88752		
	inorganic material	silicondioxide	60676-86-0	109.975	52.08	61.20	520882	612082	
	noble metal	gold	7440-57-5	0.020	0.01		94		
plating	noble metal	palladium	7440-05-3	0.020	0.01		95		
	non noble metal	nickel	7440-02-0	0.196	0.09		929		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.11	2	1120	
lid attach material	inorganic material	chromiumoxide	1308-38-9	0.170	0.08		806		
	inorganic material	zincoxide	1314-13-2	0.397	0.19	0.27	1882	2688	
	organic material	carbon black	1333-86-4	0.005	0.00		23		
lid	inorganic material	silicondioxide	60676-86-0	0.476	0.23		2254		
	plastics	epoxy resin	-	0.500	0.24	0.47	2370	4647	
	inorganic material	glass fibre	-	5.716	2.71		27073		
glue	plastics	Polyphenylene Sulfide	26125-40-6	8.574	4.06	6.77	40610	67683	
	inorganic material	alumina	1344-28-1	0.170	0.08		804		
	inorganic material	titandioxide	13463-67-7	0.031	0.01		146		
gel	inorganic material	silicondioxide	60676-86-0	0.571	0.27		2704		
	plastics	silicone resin	-	2.315	1.10	1.46	10964	14618	
	plastics	silicone resin	-	17.373	8.23	8.23	82287	82287	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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