



## Material Content Data Sheet



<b>Sales Product Name</b>				KP275		<b>Issued</b>		14. September 2018	
<b>MA#</b>				MA001495956					
<b>Package</b>				PG-D50F-8-162		<b>Weight*</b>		227.82 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	14.415	6.33	6.33	63273	63273	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		41		
	non noble metal	zinc	7440-66-6	0.037	0.02		162		
	non noble metal	iron	7439-89-6	0.740	0.32		3247		
wire	non noble metal	copper	7440-50-8	30.034	13.18	13.52	131833	135283	
	noble metal	gold	7440-57-5	0.178	0.08	0.08	780	780	
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2580	
leadfinish	plastics	epoxy resin	-	21.305	9.35		93517		
	inorganic material	silicondioxide	60676-86-0	125.036	54.88	64.49	548847	644944	
	inorganic material	phosphorus	7723-14-0	0.000	0.00		2		
lid attach material	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	652	787	
lid	organic material	carbon black	1333-86-4	0.005	0.00		22		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2089		
	plastics	epoxy resin	-	0.500	0.22	0.43	2197	4308	
glue	inorganic material	glass fibre	-	5.716	2.51		25090		
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.76	6.27	37636	62726	
	inorganic material	titandioxide	13463-67-7	0.026	0.01		116		
gel	inorganic material	alumina	1344-28-1	0.146	0.06		639		
	inorganic material	silicondioxide	60676-86-0	0.490	0.22		2150		
	plastics	silicone resin	-	1.986	0.87	1.16	8717	11622	
adhesion promoters	plastics	silicone resin	-	17.371	7.63	7.63	76251	76251	
*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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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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