



Material Content Data Sheet



Sales Product Name				KP275		Issued		24. January 2018	
MA#				MA001850418					
Package				PG-D50F-8-162		Weight*		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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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