



Material Content Data Sheet



Sales Product Name				KP275		Issued		23. January 2018	
MA#				MA001627762					
Package				PG-D50F-8-162		Weight*		228.44 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	6.31	6.31	63101	63101	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		40		
	non noble metal	zinc	7440-66-6	0.037	0.02		162		
	non noble metal	iron	7439-89-6	0.740	0.32		3238		
wire	non noble metal	copper	7440-50-8	30.034	13.15	13.49	131475	134915	
	noble metal	gold	7440-57-5	0.178	0.08	0.08	778	778	
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2573	
leadfinish	plastics	epoxy resin	-	21.305	9.33		93263		
	inorganic material	silicondioxide	60676-86-0	125.036	54.74	64.33	547356	643192	
	inorganic material	phosphorus	7723-14-0	0.000	0.00		2		
plating	noble metal	gold	7440-57-5	0.020	0.01		87		
	noble metal	palladium	7440-05-3	0.020	0.01		88		
	non noble metal	nickel	7440-02-0	0.196	0.09	0.11	858	1035	
	inorganic material	chromiumoxide	1308-38-9	0.170	0.07		745		
lid attach material	inorganic material	zinc	1314-13-2	0.397	0.17	0.24	1739	2484	
	organic material	carbon black	1333-86-4	0.005	0.00		21		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2083		
lid	plastics	epoxy resin	-	0.500	0.22	0.43	2191	4295	
	inorganic material	glass fibre	-	5.716	2.50		25022		
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.75	6.25	37534	62556	
glue	inorganic material	titandioxide	13463-67-7	0.026	0.01		116		
	inorganic material	alumina	1344-28-1	0.146	0.06		638		
	inorganic material	silicondioxide	60676-86-0	0.490	0.21		2144		
gel	plastics	silicone resin	-	1.986	0.87	1.15	8693	11591	
	plastics	silicone resin	-	17.373	7.61	7.61	76053	76053	
	*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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