



Material Content Data Sheet



Sales Product Name				KP216H1416		Issued		27. September 2017	
MA#				MA000872320					
Package				PG-DSOF-8-16		Weight*		229.53 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	5.55	5.55	55526	55526	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		40		
	non noble metal	zinc	7440-66-6	0.037	0.02		161		
	non noble metal	iron	7439-89-6	0.740	0.32		3223		
wire	non noble metal	copper	7440-50-8	30.034	13.08	13.42	130849	134273	
	noble metal	gold	7440-57-5	0.168	0.07	0.07	733	733	
	encapsulation	organic material	carbon black	1333-86-4	0.450	0.20		1959	
leadfinish	plastics	epoxy resin	-	13.788	6.01		60069		
	inorganic material	silicondioxide	60676-86-0	135.630	59.09	65.30	590901	652929	
	noble metal	gold	7440-57-5	0.020	0.01		87		
plating	noble metal	palladium	7440-05-3	0.020	0.01		88		
	non noble metal	nickel	7440-02-0	0.196	0.09		854		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.11	2	1031	
lid attach material	inorganic material	chromiumoxide	1308-38-9	0.170	0.07		742		
	inorganic material	zincoxide	1314-13-2	0.397	0.17	0.24	1731	2473	
	organic material	carbon black	1333-86-4	0.005	0.00		21		
lid	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2073		
	plastics	epoxy resin	-	0.500	0.22	0.43	2180	4274	
	inorganic material	glass fibre	-	5.716	2.49		24903		
glue	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.74	6.23	37355	62258	
	inorganic material	alumina	1344-28-1	0.137	0.06		595		
	inorganic material	titandioxide	13463-67-7	0.025	0.01		108		
gel	inorganic material	silicondioxide	60676-86-0	0.459	0.20		2000		
	plastics	silicone resin	-	1.861	0.81	1.08	8110	10813	
	plastics	silicone resin	-	17.373	7.57	7.57	75690	75690	
*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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