



Material Content Data Sheet



Sales Product Name				KP229E2701		Issued		27. September 2017	
MA#				MA000872906					
Package				PG-D50F-8-16		Weight*		227.26 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	12.899	5.68	5.68	56758	56758	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		41		
	non noble metal	zinc	7440-66-6	0.037	0.02		163		
	non noble metal	iron	7439-89-6	0.740	0.33		3255		
wire	non noble metal	copper	7440-50-8	30.034	13.22	13.57	132159	135618	
	noble metal	gold	7440-57-5	0.168	0.07	0.07	741	741	
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2586	
encapsulation	plastics	silicone resin	-	17.373	7.64		76448		
	plastics	epoxy resin	-	21.305	9.37		93748		
	inorganic material	silicondioxide	60676-86-0	125.036	55.03	72.30	550203	722985	
leadfinish	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		863		
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.11	2	1040	
	inorganic material	chromiumoxide	1308-38-9	0.170	0.07		749		
	inorganic material	zincoxide	1314-13-2	0.397	0.17	0.24	1748	2497	
lid attach material	organic material	carbon black	1333-86-4	0.005	0.00		22		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2094		
	plastics	epoxy resin	-	0.500	0.22	0.43	2202	4318	
lid	inorganic material	glass fibre	-	5.716	2.52		25153		
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.77	6.29	37729	62882	
glue	inorganic material	alumina	1344-28-1	0.164	0.07		724		
	inorganic material	titandioxide	13463-67-7	0.030	0.01		132		
	inorganic material	silicondioxide	60676-86-0	0.553	0.24		2435		
	plastics	silicone resin	-	2.243	0.99	1.31	9870	13161	
*deviation	< 10%			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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