



Material Content Data Sheet



Sales Product Name		AIKW75N60CT		Issued		20. July 2018		
MA#		MA001414028						
Package		PG-TO247-3-41		Weight*		6053.44 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	11.608	0.19	0.19	1918	1918
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87400	87514
wire	non noble metal	aluminium	7429-90-5	15.447	0.26	0.26	2552	2552
encapsulation	organic material	carbon black	1333-86-4	19.853	0.33		3280	
	plastics	epoxy resin	-	377.199	6.23		62311	
	inorganic material	silicondioxide	60676-86-0	1588.205	26.24	32.80	262364	327955
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.795	0.01		131	
	noble metal	silver	7440-22-4	1.988	0.03		328	
	non noble metal	tin	7440-31-5	5.169	0.09	0.13	854	1313
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.78	56.86	567942	568682
*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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