



Material Content Data Sheet



Sales Product Name		AIDW40S65C5		Issued		4. July 2019		
MA#		MA001395736						
Package		PG-TO247-3-41		Weight*		6046.66 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	2.769	0.05	0.05	458	458
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87498	87612
	non noble metal	aluminium	7429-90-5	8.102	0.13	0.13	1340	1340
wire	non noble metal	aluminium	7429-90-5	8.102	0.13	0.13	1340	1340
encapsulation	organic material	carbon black	1333-86-4	20.013	0.33		3310	
	plastics	epoxy resin	-	380.247	6.29		62885	
	inorganic material	silicondioxide	60676-86-0	1601.038	26.48	33.10	264781	330976
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.131	0.00		22	
	noble metal	silver	7440-22-4	0.328	0.01		54	
	non noble metal	tin	7440-31-5	0.853	0.01	0.02	141	217
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.85	56.93	568579	569319
*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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