



Material Content Data Sheet



Sales Product Name		IDD05SG60C		Issued		1. August 2018			
MA#		MA001690288							
Package		PG-TO252-3-311		Weight*		320.31 mg			
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	non noble metal	tin	7440-31-5	0.007	0.00		20		
	noble metal	gold	7440-57-5	0.025	0.01		79		
	inorganic material	siliconcarbide	409-21-2	1.009	0.31	0.32	3149	3248	
leadframe	inorganic material	phosphorus	7723-14-0	0.043	0.01		134		
	non noble metal	iron	7439-89-6	0.143	0.04		447		
	non noble metal	copper	7440-50-8	143.098	44.67	44.72	446745	447326	
wire	non noble metal	aluminium	7429-90-5	0.119	0.04	0.04	372	372	
	encapsulation	organic material	carbon black	1333-86-4	0.306	0.10		954	
		plastics	epoxy resin	-	14.061	4.39		43899	
	inorganic material	silicondioxide	60676-86-0	138.473	43.23	47.72	432305	477158	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11676	11676	
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1		
	non noble metal	nickel	7440-02-0	0.086	0.03	0.03	270	271	
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		18		
	non noble metal	iron	7439-89-6	0.019	0.01		60		
	non noble metal	copper	7440-50-8	19.177	5.99	6.00	59871	59949	
*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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