



Material Content Data Sheet



Sales Product Name		IDM05G120C5		Issued		29. September 2015			
MA#		MA001363536							
Package		PG-TO252-2-1		Weight*		321.32 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	0.622	0.19	0.19	1936	1936	
leadframe	non noble metal	iron	7439-89-6	0.152	0.05		472		
	inorganic material	phosphorus	7723-14-0	0.046	0.01		142		
	non noble metal	copper	7440-50-8	151.510	47.15	47.21	471518	472132	
wire	non noble metal	aluminium	7429-90-5	0.431	0.13	0.13	1342	1342	
encapsulation	organic material	carbon black	1333-86-4	1.435	0.45		4465		
	plastics	epoxy resin	-	25.105	7.81		78131		
	inorganic material	silicondioxide	60676-86-0	116.919	36.39	44.65	363866	446462	
leadfinish	non noble metal	tin	7440-31-5	3.552	1.11	1.11	11056	11056	
plating	non noble metal	nickel	7440-02-0	0.107	0.03		333		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.03	1	334	
heatspreader	non noble metal	iron	7439-89-6	0.021	0.01		67		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		20		
	non noble metal	copper	7440-50-8	21.417	6.67	6.68	66651	66738	
*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 2011/65/EU (RoHS) and does not use any exemption.

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