



Material Content Data Sheet



Sales Product Name	IDH05S60C			Issued		29. August 2013		
MA#	MA000800252							
Package	PG-TO220-2-1			Weight*		1969.22 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	1.974	0.10	0.10	1002	1002
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		382	
	inorganic material	phosphorus	7723-14-0	0.226	0.01		115	
	non noble metal	copper	7440-50-8	751.797	38.18	38.23	381774	382271
wire	non noble metal	aluminium	7429-90-5	1.329	0.07	0.07	675	675
encapsulation	organic material	carbon black	1333-86-4	9.078	0.46		4610	
	plastics	epoxy resin	-	99.854	5.07		50708	
	inorganic material	silicondioxide	60676-86-0	496.246	25.20	30.73	252001	307319
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7357	7357
plating	non noble metal	nickel	7440-02-0	0.198	0.01		101	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.01	0	101
solder	noble metal	silver	7440-22-4	0.076	0.00		39	
	non noble metal	tin	7440-31-5	0.061	0.00		31	
	non noble metal	lead	7439-92-1	2.905	0.15	0.15	1475	1545
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		90	
	non noble metal	iron	7439-89-6	0.590	0.03		300	
	non noble metal	copper	7440-50-8	589.466	29.93	29.97	299340	299730
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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