



Material Content Data Sheet



Sales Product Name	IDH12S60C			Issued		29. August 2013		
MA#	MA000800256							
Package	PG-TO220-2-1			Weight*		1969.68 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	2.300	0.12	0.12	1168	1168
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	38.16	38.21	381685	382183
wire	non noble metal	aluminium	7429-90-5	2.628	0.13	0.13	1334	1334
encapsulation	organic material	carbon black	1333-86-4	9.057	0.46		4598	
	plastics	epoxy resin	-	99.625	5.06		50579	
	inorganic material	silicondioxide	60676-86-0	495.106	25.14	30.66	251364	306541
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7355	7355
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	1	101
solder	noble metal	silver	7440-22-4	0.082	0.00		41	
	non noble metal	tin	7440-31-5	0.065	0.00		33	
	non noble metal	lead	7439-92-1	3.119	0.16	0.16	1584	1658
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		300	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		90	
	non noble metal	copper	7440-50-8	589.466	29.93	29.97	299270	299660
*deviation	< 10%	Sum in total:			100,00			1000000

Important Remarks:

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