



Material Content Data Sheet



Sales Product Name	IDH16S60C			Issued		29. August 2013		
MA#	MA000800254							
Package	PG-TO220-2-1			Weight*		1972.47 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	4.287	0.22	0.22	2173	2173
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		382	
	inorganic material	phosphorus	7723-14-0	0.226	0.01		114	
	non noble metal	copper	7440-50-8	751.797	38.11	38.16	381147	381643
wire	non noble metal	aluminium	7429-90-5	2.470	0.13	0.13	1252	1252
encapsulation	organic material	carbon black	1333-86-4	9.017	0.46		4571	
	plastics	epoxy resin	-	99.186	5.03		50285	
	inorganic material	silicondioxide	60676-86-0	492.925	24.99	30.48	249903	304759
leadfinish	non noble metal	tin	7440-31-5	14.487	0.73	0.73	7344	7344
plating	non noble metal	nickel	7440-02-0	0.198	0.01		100	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.01	0	100
solder	noble metal	silver	7440-22-4	0.172	0.01		87	
	non noble metal	tin	7440-31-5	0.138	0.01		70	
	non noble metal	lead	7439-92-1	6.581	0.33	0.35	3336	3493
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		90	
	non noble metal	iron	7439-89-6	0.590	0.03		299	
	non noble metal	copper	7440-50-8	589.466	29.88	29.92	298847	299236
*deviation	< 10%	Sum in total:			100,00			1000000

Important Remarks:

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Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com