



Material Content Data Sheet



Sales Product Name	IDH10S120			Issued		29. August 2013		
MA#	MA000622910							
Package	PG-TO220-2-1			Weight*		1975.58 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	6.929	0.35	0.35	3507	3507
leadframe	non noble metal	iron	7439-89-6	1.343	0.07		680	
	inorganic material	phosphorus	7723-14-0	0.403	0.02		204	
	non noble metal	copper	7440-50-8	1341.263	67.89	67.98	678920	679804
wire	non noble metal	aluminium	7429-90-5	1.289	0.07	0.07	653	653
encapsulation	organic material	carbon black	1333-86-4	9.020	0.46		4566	
	plastics	epoxy resin	-	99.215	5.02		50221	
	inorganic material	silicondioxide	60676-86-0	493.070	24.96	30.44	249582	304369
leadfinish	non noble metal	tin	7440-31-5	14.487	0.73	0.73	7333	7333
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	0.209	0.01		106	
	non noble metal	tin	7440-31-5	0.167	0.01		85	
	non noble metal	lead	7439-92-1	7.988	0.40	0.42	4043	4234
*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