



## Material Content Data Sheet



Sales Product Name	IHW30N90R			Issued		29. August 2013		
MA#	MA000212639							
Package	PG-TO247-3-21			Weight*		5996.06 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	5.302	0.09	0.09	884	884
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		27	
	non noble metal	copper	7440-50-8	529.068	8.82	8.83	88236	88351
wire	non noble metal	aluminium	7429-90-5	7.864	0.13	0.13	1312	1312
encapsulation	organic material	carbon black	1333-86-4	21.408	0.36		3570	
	inorganic material	antimonytrioxide	1309-64-4	44.763	0.75		7465	
	plastics	brominated resin	-	50.602	0.84		8439	
	plastics	epoxy resin	-	369.782	6.17		61671	
	inorganic material	silicondioxide	60676-86-0	1459.665	24.34	32.46	243438	324583
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5316	5316
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4847	4847
solder	non noble metal	antimony	7440-36-0	0.350	0.01		58	
	noble metal	silver	7440-22-4	0.875	0.01		146	
	non noble metal	tin	7440-31-5	2.274	0.04	0.06	379	583
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172	
	non noble metal	iron	7439-89-6	3.442	0.06		574	
	non noble metal	copper	7440-50-8	3438.006	57.34	57.42	573378	574124
*deviation	< 10%	Sum in total:			100,00		1000000	

### Important Remarks:

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