



Material Content Data Sheet



Sales Product Name	IJW120R070T1			Issued		29. August 2013		
MA#	MA001110756							
Package	PG-TO247-3-41			Weight*		6048.22 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	4.834	0.08	0.08	799	799
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87475	87589
wire	non noble metal	aluminium	7429-90-5	8.870	0.15	0.15	1467	1467
encapsulation	organic material	carbon black	1333-86-4	19.992	0.33		3305	
	plastics	epoxy resin	-	379.843	6.28		62803	
	inorganic material	silicondioxide	60676-86-0	1599.340	26.44	33.05	264432	330540
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.216	0.00		36	
	noble metal	silver	7440-22-4	0.540	0.01		89	
	non noble metal	tin	7440-31-5	1.404	0.02	0.03	232	357
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.84	56.92	568433	569173
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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