



Material Content Data Sheet



Sales Product Name		IPW60R099C7		Issued		20. July 2018		
MA#		MA002035320						
Package		PG-TO247-3-44		Weight*		6047.87 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	6.630	0.11	0.11	1096	1096
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87480	87594
	non noble metal	aluminium	7429-90-5	4.288	0.07	0.07	709	709
wire	non noble metal	aluminium	7429-90-5	4.288	0.07	0.07	709	709
encapsulation	organic material	carbon black	1333-86-4	20.003	0.33		3308	
	plastics	epoxy resin	-	380.065	6.28		62843	
	inorganic material	silicondioxide	60676-86-0	1600.275	26.46	33.07	264601	330752
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	4806	4806
solder	non noble metal	antimony	7440-36-0	0.343	0.01		57	
	noble metal	silver	7440-22-4	0.858	0.01		142	
	non noble metal	tin	7440-31-5	2.231	0.04	0.06	369	568
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.84	56.92	568465	569205
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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