



Material Content Data Sheet



Sales Product Name		IPZ60R060C7		Issued		25. January 2018		
MA#		MA002103736						
Package		PG-TO247-4-1		Weight*		6165.83 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	10.303	0.17	0.17	1671	1671
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	iron	7439-89-6	2.890	0.05		469	
	non noble metal	copper	7440-50-8	2885.760	46.80	46.86	468024	468634
	non noble metal	aluminium	7429-90-5	6.268	0.10	0.10	1017	1017
wire	non noble metal	aluminium	7429-90-5	6.268	0.10	0.10	1017	1017
encapsulation	organic material	carbon black	1333-86-4	20.055	0.33		3253	
	plastics	epoxy resin	-	381.037	6.18		61798	
	inorganic material	silicondioxide	60676-86-0	1604.365	26.02	32.53	260202	325253
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3744	3744
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.474	0.01		77	
	noble metal	silver	7440-22-4	1.186	0.02		192	
	non noble metal	tin	7440-31-5	3.083	0.05	0.08	500	769
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		199	
	non noble metal	copper	7440-50-8	1222.919	19.83	19.86	198338	198597
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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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