



Material Content Data Sheet



Sales Product Name		IPZ65R045C7		Issued		20. July 2018		
MA#		MA001613342						
Package		PG-TO247-4-1		Weight*		6168.45 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	15.501	0.25	0.25	2513	2513
leadframe	non noble metal	iron	7439-89-6	2.890	0.05		468	
	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	copper	7440-50-8	2885.760	46.78	46.84	467825	468434
wire	non noble metal	aluminium	7429-90-5	9.748	0.16	0.16	1580	1580
encapsulation	organic material	carbon black	1333-86-4	19.977	0.32		3239	
	plastics	epoxy resin	-	379.557	6.15		61532	
	inorganic material	silicondioxide	60676-86-0	1598.134	25.91	32.38	259081	323852
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3743	3743
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.648	0.01		105	
	noble metal	silver	7440-22-4	1.619	0.03		263	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	683	1051
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	198253	198512
*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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