



Material Content Data Sheet



Sales Product Name		IPZ65R045C7		Issued		20. July 2018		
MA#		MA001070630						
Package		PG-TO247-4-1		Weight*		6178.32 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	2509	2509
leadframe	non noble metal	iron	7439-89-6	2.890	0.05		468	
	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	copper	7440-50-8	2885.760	46.71	46.77	467078	467686
wire	non noble metal	aluminium	7429-90-5	95.380	1.54	1.54	15438	15438
encapsulation	organic material	carbon black	1333-86-4	19.219	0.31		3111	
	plastics	epoxy resin	-	365.161	5.91		59104	
	inorganic material	silicondioxide	60676-86-0	1537.520	24.89	31.11	248858	311073
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3737	3737
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		262	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	681	1048
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		59	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1222.919	19.79	19.82	197937	198194
*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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