



Material Content Data Sheet



Sales Product Name		IPZ60R070P6		Issued		20. July 2018		
MA#		MA001725642						
Package		PG-TO247-4-1		Weight*		6170.86 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	21.341	0.35	0.35	3458	3458
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	iron	7439-89-6	2.890	0.05		468	
	non noble metal	copper	7440-50-8	2885.760	46.77	46.83	467644	468252
	non noble metal	aluminium	7429-90-5	9.543	0.15	0.15	1547	1547
wire	non noble metal	aluminium	7429-90-5	9.543	0.15	0.15	1547	1547
encapsulation	organic material	carbon black	1333-86-4	19.926	0.32		3229	
	plastics	epoxy resin	-	378.590	6.14		61351	
	inorganic material	silicondioxide	60676-86-0	1594.062	25.83	32.29	258321	322901
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3741	3741
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.834	0.01		135	
	noble metal	silver	7440-22-4	2.085	0.03		338	
	non noble metal	tin	7440-31-5	5.420	0.09	0.13	878	1351
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1222.919	19.82	19.85	198177	198435
*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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