



Material Content Data Sheet



Sales Product Name		IPW80R360P7		Issued		1. August 2018		
MA#		MA001636358						
Package		PG-TO247-3-44		Weight*		6046.69 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	4.140	0.07	0.07	685	685
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	87497	87611
	non noble metal	aluminium	7429-90-5	4.221	0.07	0.07	698	698
wire	non noble metal	aluminium	7429-90-5	4.221	0.07	0.07	698	698
encapsulation	organic material	carbon black	1333-86-4	20.027	0.33		3312	
	plastics	epoxy resin	-	380.512	6.29		62929	
	inorganic material	silicondioxide	60676-86-0	1602.156	26.50	33.12	264964	331205
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.246	0.00		41	
	noble metal	silver	7440-22-4	0.615	0.01		102	
	non noble metal	tin	7440-31-5	1.598	0.03	0.04	264	407
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	56.85	56.93	568576	569316
*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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