



Material Content Data Sheet



Sales Product Name		IPW65R080CFD		Issued		1. August 2018		
MA#		MA001008574						
Package		PG-TO247-3-41		Weight*		6054.87 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	21.927	0.36	0.36	3621	3621
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87379	87492
	non noble metal	aluminium	7429-90-5	8.482	0.14	0.14	1401	1401
wire	non noble metal	aluminium	7429-90-5	8.482	0.14	0.14	1401	1401
encapsulation	organic material	carbon black	1333-86-4	19.828	0.33		3275	
	plastics	epoxy resin	-	376.728	6.22		62219	
	inorganic material	silicondioxide	60676-86-0	1586.222	26.20	32.75	261975	327469
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.851	0.01		141	
	noble metal	silver	7440-22-4	2.127	0.04		351	
	non noble metal	tin	7440-31-5	5.530	0.09	0.14	913	1405
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	56.77	56.85	567808	568548
*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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