

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW60R018CFD7	**Issued**	19. September 2019
MA#	MA005402070		
Package	PG-TO247-3-44	**Weight***	6065.15 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	35.362	0.58	0.58	5830	5830
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	8.72	8.73	87231	87344
wire	non noble metal	aluminium	7429-90-5	20.495	0.34	0.34	3379	3379
encapsulation	organic material	carbon black	1333-86-4	19.637	0.32		3238	
	plastics	epoxy resin	-	373.097	6.15		61515	
	inorganic material	silicondioxide	60676-86-0	1570.935	25.90	32.37	259011	323764
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5255	5255
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4792	4792
solder	non noble metal	antimony	7440-36-0	1.244	0.02		205	
	noble metal	silver	7440-22-4	3.111	0.05		513	
	non noble metal	tin	7440-31-5	8.089	0.13	0.20	1334	2052
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.69	56.77	566846	567584
*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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