



Material Content Data Sheet



Halogen-Free

Sales Product Name IPW65R065C7

Issued

09. February 2022

MA# MA005618193

Package PG-TO247-3-44

Weight*

6052.28 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	10.944	0.18	0.18	1808	1808
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87417	87531
wire	non noble metal	aluminium	7429-90-5	10.279	0.17	0.17	1698	1698
encapsulation	organic material	carbon black	1333-86-4	19.929	0.33		3293	
	plastics	epoxy resin	-	378.649	6.26		62563	
	inorganic material	silicondioxide	60676-86-0	1,594.313	26.34	32.93	263424	329280
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.498	0.01		82	
	noble metal	silver	7440-22-4	1.246	0.02		206	
	non noble metal	tin	7440-31-5	3.239	0.05	0.08	535	823
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	3,438.006	56.80	56.88	568052	568792
*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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