



Material Content Data Sheet



Halogen-Free

Sales Product Name IPW60R145CFD7

Issued

12. April 2021

MA# MA005398853

Package PG-TO247-3-44

Weight*

6048.03 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	4.851	0.08	0.08	802	802
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	8.75	8.76	87478	87592
wire	non noble metal	aluminium	7429-90-5	5.144	0.08	0.08	850	850
encapsulation	organic material	carbon black	1333-86-4	20.021	0.33		3310	
	plastics	epoxy resin	-	380.402	6.29		62897	
	inorganic material	silicondioxide	60676-86-0	1,601.693	26.48	33.10	264829	331036
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.274			45	
	noble metal	silver	7440-22-4	0.686	0.01		113	
	non noble metal	tin	7440-31-5	1.782	0.03	0.04	295	453
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	56.85	56.93	568451	569191
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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