



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPW90R500C3	Issued	12. August 2021
MA#	MA005621791		
Package	PG-TO247-3-41	Weight*	6050.32 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	9.945	0.16	0.16	1644	1644
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	87445	87559
wire	non noble metal	aluminium	7429-90-5	5.086	0.08	0.08	841	841
encapsulation	organic material	carbon black	1333-86-4	19.975	0.33		3301	
	plastics	epoxy resin	-	379.525	6.27		62728	
	inorganic material	silicondioxide	60676-86-0	1,598.000	26.41	33.01	264118	330147
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.461	0.01		76	
	noble metal	silver	7440-22-4	1.152	0.02		190	
	non noble metal	tin	7440-31-5	2.994	0.05	0.08	495	761
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	56.83	56.91	568236	568976
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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