

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW60R160C6	**Issued**	17. February 2022
MA#	MA005619959		
Package	PG-TO247-3-44	**Weight***	6050.26 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	9.747	0.16	0.16	1611	1611
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	5.183	0.09	0.09	857	857
encapsulation	organic material	carbon black	1333-86-4	19.976	0.33		3302	
	plastics	epoxy resin	-	379.546	6.27		62732	
	inorganic material	silicondioxide	60676-86-0	1,598.087	26.41	33.01	264135	330169
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	0.455	0.01		75	
	noble metal	silver	7440-22-4	1.136	0.02		188	
	non noble metal	tin	7440-31-5	2.955	0.05	0.08	488	751
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	56.82	56.90	568241	568981
*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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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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