



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPZ60R040C7	Issued	14. February 2022
MA#	MA005620973		
Package	PG-TO247-4-1	Weight*	6170.74 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	15.501	0.25	0.25	2512	2512
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	iron	7439-89-6	2.890	0.05		468	
	non noble metal	copper	7440-50-8	2,885.760	46.77	46.83	467653	468261
wire	non noble metal	aluminium	7429-90-5	11.807	0.19	0.19	1913	1913
encapsulation	organic material	carbon black	1333-86-4	19.979	0.32		3238	
	plastics	epoxy resin	-	379.600	6.15		61516	
	inorganic material	silicondioxide	60676-86-0	1,598.317	25.90	32.37	259016	323770
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3741	3741
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.648	0.01		105	
	noble metal	silver	7440-22-4	1.619	0.03		262	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	682	1049
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1,222.919	19.82	19.85	198181	198439
*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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