

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMZA65R048M1H	**Issued**	16. May 2021
MA#	MA005400435		
Package	PG-TO247-4-3	**Weight***	6287.42 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	2.646	0.04	0.04	421	421
leadframe	inorganic material	phosphorus	7723-14-0	1.279	0.02		203	
	non noble metal	iron	7439-89-6	4.263	0.07		678	
	non noble metal	copper	7440-50-8	4,257.756	67.73	67.82	677187	678068
wire	non noble metal	aluminium	7429-90-5	2.729	0.04	0.04	434	434
encapsulation	organic material	carbon black	1333-86-4	19.814	0.32		3151	
	plastics	epoxy resin	-	376.462	5.99		59875	
	inorganic material	silicondioxide	60676-86-0	1,585.101	25.21	31.52	252107	315133
leadfinish	non noble metal	tin	7440-31-5	34.164	0.54	0.54	5434	5434
plating	non noble metal	nickel	7440-02-0	1.950	0.03	0.03	310	310
solder	non noble metal	antimony	7440-36-0	0.126			20	
	noble metal	silver	7440-22-4	0.314			50	
	non noble metal	tin	7440-31-5	0.818	0.01	0.01	130	200
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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