



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPAN65R650CE	Issued	02. June 2021
MA#	MA001603506		
Package	PG-TO220-3-318	Weight*	2126.69 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	3.294	0.15	0.15	1549	1549
leadframe	inorganic material	phosphorus	7723-14-0	0.322	0.02		152	
	non noble metal	iron	7439-89-6	1.075	0.05		505	
	non noble metal	copper	7440-50-8	1,073.304	50.48	50.55	504683	505340
wire	non noble metal	aluminium	7429-90-5	0.807	0.04	0.04	380	380
encapsulation	organic material	carbon black	1333-86-4	5.353	0.25		2517	
	inorganic material	zink oxide	1314-13-2	72.463	3.41		34073	
	plastics	epoxy resin	-	100.646	4.73		47325	
	inorganic material	silicondioxide	60676-86-0	860.263	40.45	48.84	404509	488424
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3323	3323
solder	non noble metal	antimony	7440-36-0	0.209	0.01		98	
	noble metal	silver	7440-22-4	0.523	0.02		246	
	non noble metal	tin	7440-31-5	1.361	0.06	0.09	640	984
*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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