

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS60R650CE	**Issued**	25. June 2021
MA#	MA005558518		
Package	PG-TO251-3-346	**Weight***	385.96 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	3.063	0.79	0.79	7936	7936
leadframe	inorganic material	phosphorus	7723-14-0	0.070	0.02		181	
	non noble metal	iron	7439-89-6	0.233	0.06		605	
	non noble metal	copper	7440-50-8	233.116	60.40	60.48	603995	604781
wire	non noble metal	aluminium	7429-90-5	0.544	0.14	0.14	1410	1410
encapsulation	organic material	carbon black	1333-86-4	0.695	0.18		1801	
	plastics	epoxy resin	-	18.767	4.86		48626	
	inorganic material	silicondioxide	60676-86-0	119.555	30.98	36.02	309764	360191
leadfinish	non noble metal	tin	7440-31-5	7.055	1.83	1.83	18278	18278
solder	non noble metal	tin	7440-31-5	0.057	0.01		148	
	noble metal	silver	7440-22-4	0.071	0.02		185	
	non noble metal	lead	7439-92-1	2.729	0.71	0.74	7071	7404
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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