



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPS60R3K4CE	Issued	25. June 2021
MA#	MA005558512		
Package	PG-TO251-3-343	Weight*	339.08 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	1.000	0.29	0.29	2948	2948
leadframe	inorganic material	phosphorus	7723-14-0	0.055	0.02		164	
	non noble metal	iron	7439-89-6	0.185	0.05		545	
	non noble metal	copper	7440-50-8	184.668	54.46	54.53	544613	545322
wire	non noble metal	aluminium	7429-90-5	0.538	0.16	0.16	1587	1587
encapsulation	organic material	carbon black	1333-86-4	0.732	0.22		2159	
	plastics	epoxy resin	-	19.769	5.83		58302	
	inorganic material	silicondioxide	60676-86-0	125.937	37.14	43.19	371406	431867
leadfinish	non noble metal	tin	7440-31-5	4.771	1.41	1.41	14069	14069
solder	non noble metal	tin	7440-31-5	0.029	0.01		84	
	noble metal	silver	7440-22-4	0.036	0.01		105	
	non noble metal	lead	7439-92-1	1.363	0.40	0.42	4018	4207
*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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