



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R1K0CE	Issued	24. June 2021
MA#	MA005556100		
Package	PG-TO220-3-312	Weight*	2055.70 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	2.144	0.10	0.10	1043	1043
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		461	
	non noble metal	copper	7440-50-8	947.445	46.09	46.15	460886	461485
wire	non noble metal	aluminium	7429-90-5	1.049	0.05	0.05	510	510
encapsulation	organic material	carbon black	1333-86-4	10.898	0.53		5302	
	plastics	epoxy resin	-	174.743	8.50		85004	
	inorganic material	silicon dioxide	60676-86-0	905.513	44.05	53.08	440488	530794
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5397	5397
solder	non noble metal	antimony	7440-36-0	0.158	0.01		77	
	noble metal	silver	7440-22-4	0.396	0.02		193	
	non noble metal	tin	7440-31-5	1.029	0.05	0.08	501	771
*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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