



Material Content Data Sheet



Halogen-Free

Sales Product Name	IP160R280C6	Issued	12. April 2021
MA#	MA002187800		
Package	PG-TO262-3-22	Weight*	1565.22 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	5.826	0.37	0.37	3722	3722
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		544	
	non noble metal	copper	7440-50-8	849.682	54.27	54.34	542850	543557
wire	non noble metal	aluminium	7429-90-5	3.246	0.21	0.21	2074	2074
encapsulation	organic material	carbon black	1333-86-4	2.316	0.15		1480	
	plastics	epoxy resin	-	67.169	4.29		42914	
	inorganic material	silicondioxide	60676-86-0	509.561	32.56	37.00	325551	369945
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9710	9710
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1055	1055
solder	non noble metal	antimony	7440-36-0	0.312	0.02		199	
	noble metal	silver	7440-22-4	0.780	0.05		498	
	non noble metal	tin	7440-31-5	2.028	0.13	0.20	1296	1993
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.79	6.80	67856	67944
*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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