



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPD60R180P7	Issued	12. July 2021
MA#	MA005547826		
Package	PG-TO252-3-345	Weight*	339.50 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	4.174	1.23	1.23	12295	12295
leadframe	inorganic material	phosphorus	7723-14-0	0.058	0.02		170	
	non noble metal	iron	7439-89-6	0.193	0.06		568	
	non noble metal	copper	7440-50-8	192.629	56.73	56.81	567389	568127
wire	non noble metal	aluminium	7429-90-5	2.135	0.63	0.63	6290	6290
encapsulation	organic material	carbon black	1333-86-4	0.401	0.12		1181	
	plastics	epoxy resin	-	12.159	3.58		35814	
	inorganic material	silicon dioxide	60676-86-0	121.054	35.66	39.36	356565	393560
leadfinish	non noble metal	tin	7440-31-5	2.562	0.75	0.75	7547	7547
plating	non noble metal	nickel	7440-02-0	0.565	0.17	0.17	1664	1664
solder	non noble metal	tin	7440-31-5	0.071	0.02		210	
	noble metal	silver	7440-22-4	0.089	0.03		263	
	non noble metal	lead	7439-92-1	3.410	1.00	1.05	10044	10517
*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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