



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPD50R280CE	Issued	24. June 2021
MA#	MA005285790		
Package	PG-TO252-3-343	Weight*	314.03 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	4.825	1.54	1.54	15363	15363
leadframe	inorganic material	phosphorus	7723-14-0	0.041	0.01		131	
	non noble metal	iron	7439-89-6	0.137	0.04		437	
	non noble metal	copper	7440-50-8	137.105	43.67	43.72	436598	437166
wire	non noble metal	aluminium	7429-90-5	2.199	0.70	0.70	7004	7004
encapsulation	organic material	carbon black	1333-86-4	1.289	0.41		4106	
	plastics	epoxy resin	-	24.498	7.80		78012	
	inorganic material	silicondioxide	60676-86-0	103.150	32.85	41.06	328473	410591
leadfinish	non noble metal	tin	7440-31-5	3.834	1.22	1.22	12207	12207
solder	non noble metal	tin	7440-31-5	0.078	0.02		249	
	noble metal	silver	7440-22-4	0.098	0.03		312	
	non noble metal	lead	7439-92-1	3.738	1.19	1.24	11902	12463
heatspreader	inorganic material	phosphorus	7723-14-0	0.010			32	
	non noble metal	iron	7439-89-6	0.033	0.01		105	
	non noble metal	copper	7440-50-8	32.995	10.51	10.52	105069	105206
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com