

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPAN60R280P7S	**Issued**	25. June 2021
MA#	MA005558264		
Package	PG-TO220-3-319	**Weight***	2202.64 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	3.030	0.14	0.14	1376	1376
leadframe	inorganic material	phosphorus	7723-14-0	0.345	0.02		156	
	non noble metal	iron	7439-89-6	1.149	0.05		522	
	non noble metal	copper	7440-50-8	1,147.227	52.09	52.16	520842	521520
wire	non noble metal	aluminium	7429-90-5	0.983	0.04	0.04	446	446
encapsulation	organic material	carbon black	1333-86-4	10.378	0.47		4711	
	plastics	epoxy resin	-	166.882	7.58		75765	
	inorganic material	silicondioxide	60676-86-0	863.503	39.20	47.25	392032	472508
leadfinish	non noble metal	tin	7440-31-5	7.148	0.32	0.32	3245	3245
solder	non noble metal	antimony	7440-36-0	0.199	0.01		91	
	noble metal	silver	7440-22-4	0.498	0.02		226	
	non noble metal	tin	7440-31-5	1.296	0.06	0.09	588	905
*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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