

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPL60R285P7	**Issued**	16. May 2021
MA#	MA005403670		
Package	PG-VSON-4-1	**Weight***	187.33 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	1.62	1.62	16174	16174
leadframe	inorganic material	phosphorus	7723-14-0	0.020	0.01		108	
	non noble metal	zinc	7440-66-6	0.081	0.04		432	
	non noble metal	iron	7439-89-6	1.619	0.86		8640	
	non noble metal	copper	7440-50-8	65.718	35.08	35.99	350813	359993
wire	non noble metal	copper	7440-50-8	0.989	0.53	0.53	5278	5278
encapsulation	organic material	carbon black	1333-86-4	0.221	0.12		1178	
	plastics	epoxy resin	-	11.366	6.07		60673	
	inorganic material	silicondioxide	60676-86-0	98.763	52.72	58.91	527209	589060
leadfinish	non noble metal	tin	7440-31-5	2.397	1.28	1.28	12798	12798
plating	noble metal	silver	7440-22-4	0.252	0.13	0.13	1345	1345
solder	non noble metal	tin	7440-31-5	0.058	0.03		307	
	noble metal	silver	7440-22-4	0.072	0.04		384	
	non noble metal	lead	7439-92-1	2.747	1.47	1.54	14661	15352
*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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