

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPL60R180P6	**Issued**	31. March 2021
MA#	MA001139694		
Package	PG-VSON-4-1	**Weight***	191.66 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	9.747	5.09	5.09	50858	50858
leadframe	inorganic material	phosphorus	7723-14-0	0.020	0.01		106	
	non noble metal	zinc	7440-66-6	0.081	0.04		422	
	non noble metal	iron	7439-89-6	1.619	0.84		8445	
	non noble metal	copper	7440-50-8	65.718	34.29	35.18	342889	351862
wire	non noble metal	copper	7440-50-8	1.525	0.80	0.80	7959	7959
encapsulation	organic material	carbon black	1333-86-4	0.207	0.11		1083	
	plastics	epoxy resin	-	10.686	5.58		55753	
	inorganic material	silicondioxide	60676-86-0	92.850	48.43	54.12	484452	541288
leadfinish	non noble metal	tin	7440-31-5	2.397	1.25	1.25	12509	12509
plating	noble metal	silver	7440-22-4	0.252	0.13	0.13	1315	1315
solder	non noble metal	tin	7440-31-5	0.131	0.07		684	
	noble metal	silver	7440-22-4	0.164	0.09		855	
	non noble metal	lead	7439-92-1	6.261	3.27	3.43	32670	34209
*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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