

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPL60R199CP	**Issued**	1. August 2018
MA#	MA001719430		
Package	PG-VSON-4-1	**Weight***	190.72 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	8.809	4.62	4.62	46190	46190
leadframe	inorganic material	phosphorus	7723-14-0	0.020	0.01		106	
	non noble metal	zinc	7440-66-6	0.081	0.04		424	
	non noble metal	iron	7439-89-6	1.619	0.85		8487	
	non noble metal	copper	7440-50-8	65.718	34.46	35.36	344588	353605
wire	non noble metal	copper	7440-50-8	1.001	0.52	0.52	5248	5248
encapsulation	organic material	carbon black	1333-86-4	0.210	0.11		1099	
	plastics	epoxy resin	-	10.791	5.66		56581	
	inorganic material	silicondioxide	60676-86-0	93.766	49.17	54.94	491653	549333
leadfinish	non noble metal	tin	7440-31-5	2.397	1.26	1.26	12571	12571
plating	noble metal	silver	7440-22-4	0.252	0.13	0.13	1321	1321
solder	non noble metal	tin	7440-31-5	0.121	0.06		635	
	noble metal	silver	7440-22-4	0.151	0.08		793	
	non noble metal	lead	7439-92-1	5.779	3.03	3.17	30304	31732
*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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