

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPL60R160CFD7	**Issued**	2. August 2018
MA#	MA001716634		
Package	PG-VSON-4-1	**Weight***	188.89 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	4.851	2.57	2.57	25682	25682
leadframe	inorganic material	phosphorus	7723-14-0	0.020	0.01		107	
	non noble metal	zinc	7440-66-6	0.081	0.04		428	
	non noble metal	iron	7439-89-6	1.619	0.86		8569	
	non noble metal	copper	7440-50-8	65.718	34.79	35.70	347925	357029
wire	non noble metal	copper	7440-50-8	1.541	0.82	0.82	8161	8161
encapsulation	organic material	carbon black	1333-86-4	0.217	0.11		1148	
	plastics	epoxy resin	-	11.171	5.91		59139	
	inorganic material	silicondioxide	60676-86-0	97.064	51.40	57.42	513876	574163
leadfinish	non noble metal	tin	7440-31-5	2.397	1.27	1.27	12693	12693
plating	noble metal	silver	7440-22-4	0.252	0.13	0.13	1334	1334
solder	non noble metal	tin	7440-31-5	0.079	0.04		419	
	noble metal	silver	7440-22-4	0.099	0.05		523	
	non noble metal	lead	7439-92-1	3.777	2.00	2.09	19996	20938
*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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