

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPL60R140CFD7	**Issued**	2. August 2018
MA#	MA001724794		
Package	PG-VSON-4-1	**Weight***	189.16 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	5.435	2.87	2.87	28730	28730
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		8556	
	non noble metal	copper	7440-50-8	65.718	34.74	35.65	347423	356514
wire	non noble metal	copper	7440-50-8	1.451	0.77	0.77	7672	7672
encapsulation	organic material	carbon black	1333-86-4	0.216	0.11		1141	
	plastics	epoxy resin	-	11.115	5.88		58758	
	inorganic material	silicondioxide	60676-86-0	96.578	51.05	57.04	510565	570464
leadfinish	non noble metal	tin	7440-31-5	2.397	1.27	1.27	12674	12674
plating	noble metal	silver	7440-22-4	0.252	0.13	0.13	1332	1332
solder	non noble metal	tin	7440-31-5	0.086	0.05		452	
	noble metal	silver	7440-22-4	0.107	0.06		565	
	non noble metal	lead	7439-92-1	4.085	2.16	2.27	21597	22614
*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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