

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPL60R1K5C6S	**Issued**	01. April 2021
MA#	MA001230234		
Package	PG-TSON-8-2	**Weight***	91.66 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	1.624	1.77	1.77	17719	17719
leadframe	inorganic material	phosphorus	7723-14-0	0.010	0.01		112	
	non noble metal	zinc	7440-66-6	0.041	0.04		446	
	non noble metal	iron	7439-89-6	0.818	0.89		8925	
	non noble metal	copper	7440-50-8	33.217	36.24	37.18	362383	371866
wire	non noble metal	copper	7440-50-8	0.423	0.46	0.46	4617	4617
encapsulation	organic material	carbon black	1333-86-4	0.105	0.11		1142	
	plastics	epoxy resin	-	5.392	5.88		58822	
	inorganic material	silicondioxide	60676-86-0	46.850	51.13	57.12	511123	571087
leadfinish	non noble metal	tin	7440-31-5	1.053	1.15	1.15	11490	11490
plating	noble metal	silver	7440-22-4	0.209	0.23	0.23	2276	2276
solder	non noble metal	tin	7440-31-5	0.038	0.04		419	
	noble metal	silver	7440-22-4	0.048	0.05		524	
	non noble metal	lead	7439-92-1	1.833	2.00	2.09	20002	20945
*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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