

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP80R1K2P7	**Issued**	05. April 2021
MA#	MA001651798		
Package	PG-TO220-3-123	**Weight***	2024.81 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	1.666	0.08	0.08	823	823
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.26	40.31	402673	403197
wire	non noble metal	aluminium	7429-90-5	0.695	0.03	0.03	343	343
encapsulation	organic material	carbon black	1333-86-4	2.365	0.12		1168	
	plastics	epoxy resin	-	68.583	3.39		33871	
	inorganic material	silicondioxide	60676-86-0	520.281	25.70	29.21	256954	291993
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10600	10600
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	871	871
solder	non noble metal	antimony	7440-36-0	0.136	0.01		67	
	noble metal	silver	7440-22-4	0.340	0.02		168	
	non noble metal	tin	7440-31-5	0.885	0.04	0.07	437	672
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		292	
	non noble metal	copper	7440-50-8	589.466	29.11	29.15	291122	291501
*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.
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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 does not use any exemption.

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