Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP50R520CP	**Issued**	4. November 2019
MA#	MA005403134		
Package	PG-TO220-3-123	**Weight***	2035.30 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	3.934	0.19	0.19	1933	1933
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.06	40.11	400597	401118
wire	non noble metal	aluminium	7429-90-5	0.716	0.04	0.04	352	352
encapsulation	organic material	carbon black	1333-86-4	2.992	0.15		1470	
	organic material	phenol formaldehyde resin	9003-35-4	35.905	1.76		17641	
	inorganic material	silicondioxide	14808-60-7	47.873	2.35		23521	
	non noble metal	metal hydroxide	-	47.873	2.35		23521	
	plastics	Epichlorohydrin, o-cresol, formaldehyde	29690-82-2	71.810	3.53		35282	
	inorganic material	silicondioxide	60676-86-0	391.961	19.26	29.40	192582	294017
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10545	10545
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	867	867
solder	non noble metal	antimony	7440-36-0	0.238	0.01		117	
	noble metal	silver	7440-22-4	0.595	0.03		292	
	non noble metal	tin	7440-31-5	1.546	0.08	0.12	760	1169
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.96	29.00	289622	289999
*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 does not use any exemption

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com