



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP80R900P7	Issued	14. February 2022
MA#	MA005623158		
Package	PG-TO220-3-123	Weight*	2034.49 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	2.033	0.10	0.10	999	999
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	40.07	40.12	400757	401278
wire	non noble metal	aluminium	7429-90-5	0.849	0.04	0.04	417	417
encapsulation	organic material	carbon black	1333-86-4	3.001	0.15		1475	
	miscellaneous	miscellaneous	-	3.001	0.15		1475	
	organic material	phenol formaldehyde resin	9003-35-4	36.013	1.77		17701	
	inorganic material	silicondioxide	14808-60-7	48.017	2.36		23602	
	non noble metal	metal hydroxide	-	48.017	2.36		23602	
	plastics	epoxy resin	29690-82-2	72.026	3.54		35402	
	inorganic material	silicondioxide	60676-86-0	390.140	19.18	29.51	191763	295020
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10549	10549
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	867	867
solder	non noble metal	antimony	7440-36-0	0.154	0.01		76	
	noble metal	silver	7440-22-4	0.385	0.02		189	
	non noble metal	tin	7440-31-5	1.001	0.05	0.08	492	757
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	28.97	29.01	289736	290113
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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 Neubiberg
Internet	www.infineon.com