



Material Content Data Sheet



Sales Product Name		IPP65R150CFD		Issued		26. August 2018		
MA#		MA003210540						
Package		PG-TO220-3-123		Weight*		2029.75 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	11.566	0.57	0.57	5698	5698
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.17	40.22	401693	402216
	non noble metal	aluminium	7429-90-5	2.476	0.12	0.12	1220	1220
wire	non noble metal	aluminium	7429-90-5	2.476	0.12	0.12	1220	1220
encapsulation	organic material	carbon black	1333-86-4	2.323	0.11		1144	
	plastics	epoxy resin	-	67.356	3.32		33184	
	inorganic material	silicondioxide	60676-86-0	510.974	25.17	28.60	251743	286071
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10574	10574
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.520	0.03		256	
	noble metal	silver	7440-22-4	1.299	0.06		640	
	non noble metal	tin	7440-31-5	3.378	0.17	0.26	1664	2560
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.04	29.08	290414	290792
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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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