



Material Content Data Sheet



Sales Product Name		IPA90R800C3		Issued		25. September 2017		
MA#		MA000468300						
Package		PG-TO220-3-111		Weight*		2263.32 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	6.653	0.29	0.29	2940	2940
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		91	
	non noble metal	iron	7439-89-6	0.687	0.03		304	
	non noble metal	copper	7440-50-8	686.221	30.32	30.36	303193	303588
	non noble metal	aluminium	7429-90-5	1.291	0.06	0.06	570	570
wire	non noble metal	aluminium	7429-90-5	1.291	0.06	0.06	570	570
encapsulation	organic material	carbon black	1333-86-4	2.288	0.10		1011	
	plastics	epoxy resin	-	211.720	9.35		93544	
	inorganic material	silicondioxide	60676-86-0	909.911	40.20	49.65	402024	496579
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3509	3509
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.305	0.01	0.01	135	136
solder	non noble metal	antimony	7440-36-0	0.342	0.02		151	
	noble metal	silver	7440-22-4	0.855	0.04		378	
	non noble metal	tin	7440-31-5	2.222	0.10	0.16	982	1511
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		57	
	non noble metal	iron	7439-89-6	0.433	0.02		191	
	non noble metal	copper	7440-50-8	432.110	19.09	19.12	190919	191167
*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

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