



Material Content Data Sheet



Sales Product Name		IPA60R125P6		Issued		19. January 2018		
MA#		MA001725646						
Package		PG-TO220-3-111		Weight*		2284.22 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	12.221	0.54	0.54	5350	5350
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		90	
	non noble metal	iron	7439-89-6	0.687	0.03		301	
	non noble metal	copper	7440-50-8	686.221	30.04	30.08	300419	300810
	non noble metal	aluminium	7429-90-5	2.770	0.12	0.12	1213	1213
wire	non noble metal	aluminium	7429-90-5	2.770	0.12	0.12	1213	1213
encapsulation	organic material	carbon black	1333-86-4	2.347	0.10		1028	
	plastics	epoxy resin	-	214.343	9.38		93837	
	inorganic material	silicondioxide	60676-86-0	919.154	40.24	49.72	402392	497257
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3477	3477
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	134	135
solder	non noble metal	antimony	7440-36-0	0.535	0.02		234	
	noble metal	silver	7440-22-4	1.337	0.06		585	
	non noble metal	tin	7440-31-5	3.475	0.15	0.23	1521	2340
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		57	
	non noble metal	iron	7439-89-6	0.433	0.02		189	
	non noble metal	copper	7440-50-8	432.110	18.92	18.95	189172	189418
*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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