



Material Content Data Sheet



Sales Product Name		IPA60R125P6		Issued		4. March 2019		
MA#		MA001725646						
Package		PG-TO220-3-111		Weight*		2234.96 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	0.55	0.55	5468	5468
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	iron	7439-89-6	0.687	0.03		307	
	non noble metal	copper	7440-50-8	686.221	30.70	30.74	307040	307439
	non noble metal	aluminium	7429-90-5	2.770	0.12	0.12	1239	1239
wire	non noble metal	aluminium	7429-90-5	2.770	0.12	0.12	1239	1239
encapsulation	organic material	carbon black	1333-86-4	2.249	0.10		1006	
	plastics	epoxy resin	-	205.083	9.18		91762	
	inorganic material	silicondioxide	60676-86-0	879.256	39.34	48.62	393410	486178
leadfinish	non noble metal	tin	7440-31-5	7.942	0.36	0.36	3553	3553
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	136	137
solder	non noble metal	antimony	7440-36-0	0.535	0.02		239	
	noble metal	silver	7440-22-4	1.337	0.06		598	
	non noble metal	tin	7440-31-5	3.475	0.16	0.24	1555	2392
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	iron	7439-89-6	0.433	0.02		194	
	non noble metal	copper	7440-50-8	432.110	19.33	19.36	193342	193594
*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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