



Material Content Data Sheet



Sales Product Name				IPI60R280C6		Issued		19. July 2018	
MA#				MA001075788					
Package				PG-TO262-3-1		Weight*		1569.55 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	5.826	0.36	0.36	3587	3587	
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		524		
	inorganic material	phosphorus	7723-14-0	0.255	0.02		157		
	non noble metal	copper	7440-50-8	849.682	52.32	52.39	523155	523836	
wire	non noble metal	aluminium	7429-90-5	2.487	0.15	0.15	1531	1531	
encapsulation	organic material	carbon black	1333-86-4	5.856	0.36		3605		
	plastics	epoxy resin	-	111.256	6.85		68501		
	inorganic material	silicondioxide	60676-86-0	468.447	28.84	36.05	288426	360532	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.94	0.94	9357	9357	
plating	non noble metal	nickel	7440-02-0	0.228	0.01		141		
	inorganic material	phosphorus	7723-14-0	0.001	3.36	3.37	33618	33759	
solder	non noble metal	antimony	7440-36-0	0.312	0.02		192		
	noble metal	silver	7440-22-4	0.779	0.05		480		
	non noble metal	tin	7440-31-5	2.025	0.12	0.19	1247	1919	
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		65		
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20		
	non noble metal	copper	7440-50-8	106.210	6.54	6.55	65394	65479	
*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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