



Material Content Data Sheet



Sales Product Name				IPI60R280C6		Issued		24. January 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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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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