



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPAN80R450P7	Issued	14. February 2022
MA#	MA005621144		
Package	PG-TO220-3-318	Weight*	2125.80 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	3.428	0.16	0.16	1613	1613
leadframe	inorganic material	phosphorus	7723-14-0	0.322	0.02		152	
	non noble metal	iron	7439-89-6	1.075	0.05		506	
	non noble metal	copper	7440-50-8	1,073.304	50.47	50.54	504894	505552
wire	non noble metal	aluminium	7429-90-5	0.974	0.05	0.05	458	458
encapsulation	organic material	carbon black	1333-86-4	5.457	0.26		2567	
	inorganic material	zink oxide	1314-13-2	72.202	3.40		33965	
	plastics	epoxy resin	-	101.888	4.79		47929	
	inorganic material	silicondioxide	60676-86-0	857.913	40.36	48.81	403572	488033
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3324	3324
solder	non noble metal	antimony	7440-36-0	0.217	0.01		102	
	noble metal	silver	7440-22-4	0.542	0.03		255	
	non noble metal	tin	7440-31-5	1.408	0.07	0.11	663	1020
*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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