

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPAN65R650CE	**Issued**	25. November 2019
MA#	MA001639342		
Package	PG-TO220-3-318	**Weight***	2126.69 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	3.294	0.15	0.15	1549	1549
leadframe	inorganic material	phosphorus	7723-14-0	0.322	0.02		152	
	non noble metal	iron	7439-89-6	1.075	0.05		505	
	non noble metal	copper	7440-50-8	1073.304	50.48	50.55	504683	505340
wire	non noble metal	aluminium	7429-90-5	0.807	0.04	0.04	380	380
encapsulation	organic material	carbon black	1333-86-4	5.353	0.25		2517	
	inorganic material	zink oxide	1314-13-2	72.463	3.41		34073	
	plastics	epoxy resin	-	100.646	4.73		47325	
	inorganic material	silicondioxide	60676-86-0	860.263	40.45	48.84	404509	488424
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3323	3323
solder	non noble metal	antimony	7440-36-0	0.209	0.01		98	
	noble metal	silver	7440-22-4	0.523	0.02		246	
	non noble metal	tin	7440-31-5	1.361	0.06	0.09	640	984
*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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