



Material Content Data Sheet



Halogen-Free

Sales Product Name IPAN65R650CE

Issued

14. February 2022

MA# MA005619380

Package PG-TO220-3-318

Weight*

2126.87 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	1,073.304	50.47	50.54	504640	505297
wire	non noble metal	aluminium	7429-90-5	0.989	0.05	0.05	465	465
encapsulation	organic material	carbon black	1333-86-4	5.353	0.25		2517	
	inorganic material	zink oxide	1314-13-2	72.463	3.41		34070	
	plastics	epoxy resin	-	100.646	4.73		47321	
	inorganic material	silicondioxide	60676-86-0	860.263	40.45	48.84	404474	488382
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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