



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPI45N06S4-09	Issued	04. May 2021
MA#	MA001055082		
Package	PG-TO262-3-1	Weight*	1572.23 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	2.120	0.13	0.13	1348	1348
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		541	
	non noble metal	copper	7440-50-8	849.682	54.05	54.12	540432	541135
wire	non noble metal	aluminium	7429-90-5	3.744	0.24	0.24	2381	2381
encapsulation	inorganic material	zinc oxide	1314-13-2	5.916	0.38		3763	
	miscellaneous	miscellaneous	-	23.664	1.51		15051	
	plastics	epoxy resin	-	88.741	5.64		56443	
	inorganic material	silicon dioxide	60676-86-0	473.285	30.10	37.63	301029	376286
lead finish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9666	9666
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	145	146
solder	non noble metal	tin	7440-31-5	0.044			28	
	noble metal	silver	7440-22-4	0.055			35	
	non noble metal	lead	7439-92-1	2.095	0.13	0.13	1333	1396
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.76	6.77	67554	67642
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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