Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD80R2K8CE	**Issued**	29. August 2013
MA#	MA001133414		
Package	PG-TO252-3-313	**Weight***	318.18 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	2.280	0.72	0.72	7165	7165
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		463	
	inorganic material	phosphorus	7723-14-0	0.044	0.01		139	
	non noble metal	copper	7440-50-8	147.096	46.22	46.28	462306	462908
wire	non noble metal	aluminium	7429-90-5	0.506	0.16	0.16	1589	1589
encapsulation	organic material	carbon black	1333-86-4	1.414	0.44		4444	
	plastics	epoxy resin	-	24.746	7.78		77773	
	inorganic material	silicondioxide	60676-86-0	115.244	36.22	44.44	362198	444415
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11755	11755
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11	
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4465	4476
solder	noble metal	silver	7440-22-4	0.058	0.02		184	
	non noble metal	tin	7440-31-5	0.047	0.01		147	
	non noble metal	lead	7439-92-1	2.231	0.70	0.73	7011	7342
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		60	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	copper	7440-50-8	19.177	6.03	6.04	60272	60350
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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