



Material Content Data Sheet



Sales Product Name		SPU04N60S5		Issued		29. August 2013		
MA#		MA000851442						
Package		PG-TO251-3-21		Weight*		351.10 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	3.191	0.91	0.91	9088	9088
leadframe	non noble metal	tin	7440-31-5	0.273	0.08		778	
	non noble metal	copper	7440-50-8	181.882	51.80	51.88	518031	518809
wire	non noble metal	aluminium	7429-90-5	0.890	0.25	0.25	2534	2534
encapsulation	organic material	carbon black	1333-86-4	1.336	0.38		3806	
	inorganic material	antimonytrioxide	1309-64-4	2.794	0.80		7957	
	plastics	brominated resin	-	3.158	0.90		8995	
	plastics	epoxy resin	-	23.079	6.57		65733	
	inorganic material	silicondioxide	60676-86-0	91.102	25.95	34.60	259474	345965
leadfinish	non noble metal	tin	7440-31-5	3.976	1.13	1.13	11323	11323
plating	non noble metal	nickel	7440-02-0	0.344	0.10	0.10	980	980
solder	noble metal	silver	7440-22-4	0.073	0.02		207	
	non noble metal	tin	7440-31-5	0.058	0.02		166	
	non noble metal	lead	7439-92-1	2.776	0.79	0.83	7907	8280
heatspreader	inorganic material	phosphorus	7723-14-0	0.011	0.00		31	
	non noble metal	iron	7439-89-6	0.036	0.01		103	
	non noble metal	copper	7440-50-8	36.124	10.29	10.30	102887	103021
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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