


# MATERIAL DECLARATION SHEET



Material Number	SPB1005 Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2021 / 12 / 28			
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	C Core/I Core	M70H	0.92	Iron oxide	1309-37-1	70.0	46.000	65.72
				Manganese Oxide	1317-35-7	21.0	13.800	
				Zinc oxide	1314-13-2	9.0	5.914	
2	Clip	C1100	0.25	Copper	7440-50-8	100.0	17.857	17.86
		Plating	0.05	Tin	7440-31-5	80.0	2.857	3.57
Nickel	7440-02-0			20.0	0.714			
3	Gap	Glass Beads	0.08	Silicon dioxide	7631-86-9	68.1	3.891	5.71
				Sodium oxide	1313-59-3	15.0	0.857	
				Calcium oxide	1305-78-8	8.3	0.474	
				Aluminum oxide	1344-28-1	3.3	0.189	
				Glass Fiber	65997-17-3	2.8	0.160	
4	Adhesive	EP-600-SL(HF)	0.1	Magnesium oxide	1309-48-4	2.5	0.143	7.14
				Epoxy resin	25068-38-6	58.0	4.144	
				Dicyandiamide	461-58-5	13.0	0.929	
				Silicone oil	63148-62-9	0.3	0.021	
				Carbon black	1333-86-4	2.0	0.143	
Titanium dioxide	13463-67-7	2.0	0.143					
				Silicon dioxide	14808-60-7	26.7	1.907	
		Total weight	<b>1.4</b>					

This Document was updated on: 2021/12/28

**Important remarks:** It is the responsibility of the user to verify they are accessing the latest version.