

MATERIAL DECLARATION SHEET



Material Number	BRF Series			
Product Line	Fixed Resistors			
Compliance Date	2025/7/23			
RoHS Compliant	Yes	MSL	1	

Reference Part number: BRF8065

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	Leads	Copper	100	Copper	7440-50-8	100	41.989	41.989
2	Inside Soldering	Plating	0.01162	Tin	7440-31-5	96.5	0.005	0.005
				Copper	7440-50-8	0.5	0.000	
				Silver	7440-22-4	3	0.000	
3	Substrate	Aluminum	4.05	Aluminum	7429-90-5	100	1.701	1.701
4	Foilbond	Foilbond	0.4	Dimethylacetamide	127-19-5	100	0.168	0.168
5	Resistor Material	Manganin ^{R1}	0.144	Copper	7440-50-8	83	0.05	0.06
				Nickel	7440-02-0	3	0.002	
				Manganese	7439-96-5	14	0.008	

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6	Cover	Silicone Based	0.35	Silicon	7440-21-3	100	0.147	0.147
7	Chipbond	Filled Epoxy	1.5	Epoxy	25068-38-6	100	0.63	0.63
8	Case	Aluminum	79.2	Aluminum	7429-90-5	100	33.256	33.256
9	Mold	Araldit	52.5	Polymer	26125-40-6	100	22.044	22.044
		Total weight	238.15562					

This Document was updated on: 2025/7/23

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Resistive material weight will be different based on the resistance value.
3. The weight of the core and coating material will differ based on the size.