


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	3314 (500Ω to 25kΩ)			
Product Line	Trimpot® Trimming Potentiometers			
Original Compliance Date	3-9-2011			
RoHS Compliant	RoHS 3.0	MSL	1	

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (G)	Homogeneous Material	Casrn	Material Mass %	Subpart Mass Of Total Wt. (%)
				Substance			
1	Contact Spring	Ni/Ag	0.00158	Nickel	7440-02-0	18	1.1
				Copper	7440-50-8	65	
				Zinc	7440-66-6	17	
2	Housing	Sumitomo	0.0349	Liquid Crystal Polymer	70679-92-4	60	25.0
				Glass Fiber	65997-17-3	40	
3	Rotor	Sumitomo	0.0171	Liquid Crystal Polymer	70679-92-4	60	12.3
				Glass Fiber	65997-17-3	40	
4	O - Ring	Rubber	0.0016	Silicone	63394-02-5	100	1.1
5	Lid	Stainless Steel	0.0228	Iron	7439-89-6	72.85	16.4
				Chromium	7440-47-3	17	
				Nickel	7440-02-0	5	
				Manganese	7439-96-5	2	
				Silica	7440-21-3	1	
				Carbon	7440-44-0	0.15	
				Phosphorus	7723-14-0	1	
Sulfur	7704-34-9	1					
6	Substrate	Ceramic	0.0498	Alumina Oxide	1344-28-1	96	35.8
				Silicon Dioxide	7631-86-9	2	
				Magnesium Oxide	1309-48-4	1	

MATERIAL DECLARATION SHEET



7	Termination Ink	Ink	0.0002	Calcium Oxide	1305-78-8	1	0.1
				Silver	7440-22-4	93.3	
				Palladium	7440-05-3	3.1	
				Copper	7440-50-8	1.2	
				Bismuth	7440-69-9	2.4	
8	Resistive Ink	Ink	0.0008	Ruthenium Dioxide	12036-10-1	35	0.6
				Silicon	7440-21-3	16	
				Boron	7440-42-8	15	
				Calcium	7440-70-2	15	
				Silver	7440-22-4	7	
				Titanium	7440-32-6	5	
				Manganese	7439-96-5	6	
				Copper	7440-50-8	1	
9	Lead Frame	Copper	0.0095	Copper	7440-50-8	100	7.5
		Plating	0.001	Tin	7440-31-5	100	
10	Lubricant	Lubricant	0.0001	Polydimethylsiloxane	63148-62-9	58	0.1
				Dimethyl Siloxane	70131-67-8	9.5	
				Silica, Amorphous	7631-86-9	12.5	
				Siloxane/Silicones	63148-56-1	14	
				Tetrafluoroethene	9002-84-0	6	
		Total Weight	0.13938				

This Document Was Updated On: 5-17-2024

Important Remarks:

1. It Is The Responsibility Of The User To Verify They Are Accessing The Latest Version.