

Material Declaration RH25 series



Product Group :
Product model :
Termination Material :
Production availability :
Parts Date Code :

VISHAY Sfernice
RH25
e1
2/21/2005
DC 0508

N°	Component Description	Material Group	Substance Name	Substance CAS Number	Sum in grams*	Substance Weight in %	Substance Weight in grams*	Substance RoHS	Exemption n°
1	Ceramic	Alumina	SiO2	87347-84-0	3.1029	60	1.8617	RoHS	
			Al2O3	1344-28-1		15	0.4654		
			MgO	1309-48-4		25	0.7757		
2	Caps	Stainless Steel 305	C	7440-44-0	0.546	0,12 max	0.000655	RoHS	
			Cr	7440-47-3		17 - 19	0,09282-0,1037		
			Fe	7439-89-6		Balance	Balance		
			Mn	7439-96-5		2 max	0.01092		
			Ni	7440-02-0		10 - 13	0,0546-0,07098		
			P	7723-14-0		0.045 max	0.000246		
			Silicon	7440-21-3		1 max	0.00546		
			Sulfur	7704-34-9		0.03	0.000164		
			3	Resistive Wire**		Alloy CuNi	Ni		
Cu	7440-02-0	43			0.07009				
Fe	8053-60-9	65.4			0.3813				
4	LeadWire	Copper Clad Steel	Cu	7440-50-8	0.583	34.6	0.2017	RoHS	
			Cr	7440-47-3		Trace	Trace		
			Ni	8049-31-8		Trace	Trace		
			Zn	7440-66-6		Trace	Trace		
			Mn	7439-96-5		Trace	Trace		
			Sn	7440-31-5		99	0.040		
5	Coating on LeadWire	Alloy Sn/Ag/Cu	Ag	7440-22-4	0.040	0.3	0.00012	RoHS	
			Cu	7440-50-8		0.7	0.00028		
			H	725200-57-7		2.6	0.2028		
6	Protection of the resistive element	Polyimide	Carbon Amorphous	7440-44-0	0.078	69.1	0.0539	RoHS	
			N	7727-37-9		7.3	0.0057		
			O	7782-44-7		20.9	0.0163		
			Epoxy Resin	-		25 - 30	0,629-0,7548		
7	Molding Element	Epoxy Resin	Filler CaSiO3	-	2.516	45 - 50	1,1322-1,258	RoHS	
			Glassfibers	-		25	0.6290		
			Additives	-		1 - 3	0,02516-0,07548		
			Formaldehyde	50-00-0		< 0,01	0,0000275		
8	Ink for stamping	Phenolic Ink	Phenol	108-95-2	0,00275	0-5	0- 0,000137	RoHS	
			Triethylene glycol monomethyl ether	112-35-6		0-30	0 -0,000825		
			Si	90337-93-2		0,3-6	0,0275-0,5501		
9	Heatsink	Alloy Al/Mg/Si	Fe	8053-60-9	9,1679	0,1-0,3	0,00917-0,0275	RoHS	
			Cu	7440-50-8		0,1 maxi.	0,00917 maxi.		
			Mn	7439-96-5		0,1 maxi.	0,00917 maxi.		
			Mg	7439-95-4		0,35-0,6	0,03208-0,055		
			Cr	7440-47-3		0,05	0,00458		
			Zn	7440-66-6		0,15	0,01375		
			Ti	7440-32-6		0,1	0,00917		
			Al	7429-90-5		Balance	Balance		

* Weight information are not contractual and are subject to change

** Information for the Resistive Wire depend on the ohmic value. The value given in this document is for RH25 1ohm.