

To: HIS

### Composition Sheet(EU-RoHS Certificate)

The following products are certified to be in compliance with the RoHS (DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 08 June 2011).

Customer Part No.	Murata Part No.	Weight (mg)	Component Part	Material Name	Weight of material in Component (mg)	Substance Name	CAS No.	Weight % of substance in Material	RoHS Correspondence	Exemp. Cd
	RDER73A103K3M1H03A	201.6	Lead wire	unalloyed, low alloyed steel	76.86	Iron	7439-89-6	100		
			Terminal plating	Copper plating	4.27	Copper	7440-50-8	100		
			Lead wire plating	Tin plating	4.27	Tin	7440-31-5	98		
						Copper	7440-50-8	2		
			Ceramic element	Ceramics	58.875	Barium oxide, obtair	1304-28-5	60		
						Titanium dioxide	13463-67-7	30		
						Misc	-	10		
			Outer electrode	Copper alloys	5.0103	Copper	7440-50-8	100		
				Glass	0.5567	diboron trioxide; bor	1303-86-2	20		
						Silicon dioxide	7631-86-9	80		
			Nickel Plating Layer	Nickel plating	0.249	Nickel	7440-02-0	100		
			Inner electrode	Nickel and Nickel alloys	8.616	Nickel	7440-02-0	100		
			Tin Plating Layer	Tin plating	0.693	Tin	7440-31-5	100		
			Solder	Lead-free solder	13.2	Silver (Ag)	7440-22-4	2		
						Tin	7440-31-5	98		
			Outer coating resin	EP (Epoxy resin)	29	Titanium dioxide	13463-67-7	5		
						Epoxy resin	25068-38-6	29		
						Silica, amorphous	60676-86-0	43		
						Phosphorus compou	139189-30-3	11		
						Nickel oxide	11099-02-8	0.5		
						Copper oxide; Copp	1317-38-0	1.5		
						Misc	-	10		

\* EU-RoHS(C/NG) --> C ; RoHS Compliant, NG ; RoHS Not C

Signature : Donnie Boatright  
 Name: Donnie Boatright  
 Title: Corp. QA Manager  
 Company: Murata Americas  
 Date (mm/dd/yy) 3/21/18

EU-RoHS(C/NG)*
C

Compliant