

MATERIAL DECLARATION

WWR SERIES

■ WWR15 (2615)

NO	BREAKDOWN OF PART	MANUFACTURER	MATERIAL NAME	CHEMICAL SYMBOL	CAS NO.	%	TOTAL		0.19000	
							WEIGHT	SUBSTANCE MASS. (Mg)	%	SUBSTANCE %
1	Ceramic Rod	KANGRONG	Ceramic rod	SiO2	7631-86-9	28.05	60	16.830	31.58	8.858
				Al2O3	1344-28-1	70		42.000		22.105
				Fe2O3	1309-37-1	0.6		0.360		0.189
				CaO	1305-78-8	0.5		0.300		0.158
				MgO	1309-48-4	0.85		0.510		0.268
2	Cap	FENG LI	Cap	Fe	7439-89-6	99.32	10.00	9.932	5.26	5.227
				Sn	7440-31-5	0.41		0.041		0.022
				Cu	7440-50-8	0.27		0.027		0.014
3	Lead pin	HUACHENG	Tinning Copper Wire	Cu	7440-50-8	96	12	11.520	6.32	6.063
				Sn	7440-31-5	4		0.480		0.253
4	Molding	HHCK	Epoxy molding compound	Silica	14808-60-7	70~88	100.00	80.000	52.63	42.105
				Epoxy Resin	29690-82-2	5~15		10.000		5.263
				Phenol Resin	9003-35-4	5~10		7.000		3.684
				Fire Retardant	1309-42-8	0~5		2.000		1.053
				Carbon black	1333-86-4	0.1~1		1.000		0.526
5	Wire	CHENGXIN	Constantan wire	Ni	7440-02-0	39~41	8.00	3.280	4.21	1.726
				Cu	7440-50-8	allowance		4.640		2.442
				Mn	7439-96-5	1~2		0.080		0.042

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WWR16 (3816)

NO	BREAKDOWN OF PART	MANUFACTURER	MATERIAL NAME	CHEMICAL SYMBOL	CAS NO.	%	TOTAL		0.23700	
							WEIGHT	SUBSTANCE MASS. (Mg)	%	SUBSTANCE %
1	Ceramic Rod	KANGRONG	Ceramic rod	SiO2	7631-86-9	28.05	75.00	21.038	31.65	8.877
				Al2O3	1344-28-1	70		52.500		22.152
				Fe2O3	1309-37-1	0.6		0.450		0.190
				CaO	1305-78-8	0.5		0.375		0.158
				MgO	1309-48-4	0.85		0.638		0.269
2	Cap	FENG LI	Cap	Fe	7439-89-6	99.32	12.00	11.918	5.06	5.029
				Sn	7440-31-5	0.41		0.049		0.021
				Cu	7440-50-8	0.27		0.032		0.014
3	Lead pin	HUACHENG	Tinning Copper Wire	Cu	7440-50-8	96	15.00	14.400	6.33	6.076
				Sn	7440-31-5	4		0.600		0.253
4	Molding	HHCK	Epoxy molding compound	Silica	14808-60-7	70~88	125.00	100.000	52.74	42.194
				Epoxy Resin	29690-82-2	5~15		12.500		5.274
				Phenol Resin	9003-35-4	5~10		8.750		3.692
				Fire Retardant	1309-42-8	0~5		2.500		1.055
				Carbon black	1333-86-4	0.1~1		1.250		0.527
5	Wire	CHENGXIN	Constantan wire	Ni	7440-02-0	39~41	10.00	4.100	4.22	1.730
				Cu	7440-50-8	allowance		5.800		2.447
				Mn	7439-96-5	1~2		0.100		0.042



■ WWR25 (4525)

NO	BREAKDOWN OF PART	MANUFACTURER	MATERIAL NAME	CHEMICAL SYMBOL	CAS NO.	%	TOTAL		0.76000	
							WEIGHT	SUBSTANCE MASS. (Mg)	%	SUBSTANCE %
1	Ceramic Rod	KANGRONG	Ceramic rod	SiO2	7631-86-9	28.05	240.00	67.320	31.58	8.858
				Al2O3	1344-28-1	70		168.000		22.105
				Fe2O3	1309-37-1	0.6		1.440		0.189
				CaO	1305-78-8	0.5		1.200		0.158
				MgO	1309-48-4	0.85		2.040		0.268
2	Cap	FENG LI	Cap	Fe	7439-89-6	99.32	40.00	39.728	5.26	5.227
				Sn	7440-31-5	0.41		0.164		0.022
				Cu	7440-50-8	0.27		0.108		0.014
3	Lead pin	HUACHENG	Tinning Copper Wire	Cu	7440-50-8	96	50.00	48.000	6.58	6.316
				Sn	7440-31-5	4		2.000		0.263
4	Molding	HHCK	Epoxy molding compound	Silica	14808-60-7	70~88	400.00	320.000	52.63	42.105
				Epoxy Resin	29690-82-2	5~15		40.00		5.263
				Phenol Resin	9003-35-4	5~10		28.000		3.684
				Fire Retardant	1309-42-8	0~5		8.000		1.053
				Carbon black	1333-86-4	0.1~1		4.000		0.526
5	Wire	CHENGXIN	Constantan wire	Ni	7440-02-0	39~41	30.00	12.300	3.95	1.618
				Cu	7440-50-8	allowance		17.400		2.289
				Mn	7439-96-5	1~2		0.300		0.039

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WWR27 (6327)

NO	BREAKDOWN OF PART	MANUFACTURER	MATERIAL NAME	CHEMICAL SYMBOL	CAS NO.	%	TOTAL		1.67000	
							WEIGHT	SUBSTANCE MASS. (Mg)	%	SUBSTANCE %
1	Ceramic Rod	KANGRONG	Ceramic rod	SiO2	7631-86-9	28.05	527.00	147.824	31.56	8.852
				Al2O3	1344-28-1	70		368.900		22.090
				Fe2O3	1309-37-1	0.6		3.162		0.189
				CaO	1305-78-8	0.5		2.635		0.158
				MgO	1309-48-4	0.85		4.480		0.268
2	Cap	FENG LI	Cap	Fe	7439-89-6	99.32	88.00	87.402	5.27	5.234
				Sn	7440-31-5	0.41		0.361		0.022
				Cu	7440-50-8	0.27		0.238		0.014
3	Lead pin	HUACHENG	Tinning Copper Wire	Cu	7440-50-8	96	110.00	105.600	6.59	6.323
				Sn	7440-31-5	4		4.400		0.263
4	Molding	HHCK	Epoxy molding compound	Silica	14808-60-7	70~88	879.00	703.200	52.63	42.108
				Epoxy Resin	29690-82-2	5~15		87.900		5.263
				Phenol Resin	9003-35-4	5~10		61.530		3.684
				Fire Retardant	1309-42-8	0~5		17.580		1.053
				Carbon black	1333-86-4	0.1~1		8.790		0.526
5	Wire	CHENGXIN	Constantan wire	Ni	7440-02-0	39~41	66.00	27.060	3.95	1.620
				Cu	7440-50-8	allowance		38.280		2.292
				Mn	7439-96-5	1~2		0.660		0.040

