

## 2. RESISTANCE PASTES

### 2.1 R-2200 SERIES RESISTANCE PASTES

R-2200 series	Resistivity (Ohm /□)	Tolerance (%)	TCR (PPm/°C)	Quan-tech Noise (dB)	STOL (%)	ESD (%)	Viscosity (kcps)	Stability with load (%)			
R-2202	0.2	±15	-200~+70				100~200	±1			
R-2210	1.0		-200~+50								
R-2240	4.0										
R-2211	10		±100						≤-10	±1	±1
R-2212	100										±4
R-2213	1K										±4
R-2214	10K										±1
R-2215	100K		-30						±200	≤-5	
R-2216	1M										
R-2217	10M			≤0							

### 2.2 R-3100R SERIES RESISTOR PASTES

R-3100R series	Resistivity (ohm /□)	Tolerance (%)	TCR (ppm/°C)	ESD (%)	Viscosity (Kcps)	Load life (%)	Thermal Ageing (%)	humidity Ageing (%)
			HTCR					
R-3150R	5	±15	-50~+200	±1.5	100~200	±1	±1	±1
R-3111R	10							
R-3131R	30							
R-3112R	100							
R-3113R	1K							
R-3114R	10K							
R-3115R	100K							
R-3116R	1M							

### 2.3 R-3200 SERIES RESISTOR PASTES

R-3200 series	Resistivity (ohm/□ )	Tolerance (%)	TCR (ppm/°C)	CRV (%)	Rotational life (%)	Viscosity (Kcps)	Load Stability (%)	stability (%)
R-3212	100	±15	±100	±2	±0.5	140~220	±1	±1
R-3213	1 K							
R-3214	10 K							
R-3215	100 K		150					
R-3216	1 M							

### 2.4 R-3200W SERIES RESISTOR PASTES

R-3200W series	Resistivity (ohm /□)	Tolerance (%)	TCR (ppm/°C)	CRV (%)	Rotation life (%)	Viscosity (Kcps)	Load Stability (%)	Stability (%)	
								A	B
R-3210W	1	±15	-100~+200	2.0	±2	140~220	±1	±1	2
R-3250W	5								
R-3211W	10								
R-3212W	100								
R-3213W	1K								
R-3214W	10K								
R-3215W	100K								
R-3216W	1M								

### 2.5 R-4800 SERIES RESISTOR PASTES

R-4800 series	Resistivity (ohm/□)	Tolerance (%)	TCR (ppm/ °C)	Viscosity (Kcps)	load life (%)	High voltage load life (%)	VCR ppm/v/mm	ESD (%)
R-4813	1K	±15	positive ±150 negative -300~100	120-220	±1	±1	0~ -200 0~ -300	±1
R-4814	10K							
R-4815	100K							
R-4816	1M							
R-4817	10M							
R-4818	100M							

### 2.6 R-4800B SERIES RESISTOR PASTES

R-4800B series	Resistivity ( ohm /□)	Tolerance (%)	TCR (ppm/°C)	Viscosity (Kcps)	Power Capacity (%)	Thermal Ageing (%)	humidity Ageing (%)	ESD (%)
R-4813B	1K	±15	-50 - 200	100-200	±1	±1	0~ -200	±1.5
R-4814B	10K							
R-4815B	100K							
R-4816B	1M							

### 2.7 R-5000 LEAD-FREE RESISTANCE PASTES

R5000 Series	Resistivity ( ohm /□)	Tolerance (%)	Viscosity (keps)	HTCR ( ppm/°C)
R-5010	1	±15%	100~200	250
R-5011	10			100
R-5012	100			100
R-5013	1K			100



## 2.8 R-6100 PASTE FOR LINEAR PTC THERMISTOR

Resistivity( ohm / □ )	PTCR(ppm/°C)	Load Stability (%)	Explain
1.0 ±30%	≥2500	±1	TCR Test: 25~125°C (Power Capacity): 0.04W/mm <sup>2</sup> 100Hrs
10.0 ±30%	≥1500		
1K ±30%	≥1500		
1.0K ±30%	≥1500		

## 2.9 R-6200 PASTE FOR LINEAR NTC THERMISTOR

Resistivity(ohm/ □)	(Hot) TCR(ppm/°C)	TCR (ppm/°C)	Explain
100 ±20%		-1000 ± 200	TCR Test: 25~125°C
1K ±20%		-1600 ±300	
10K ±20%		-1800 ±300	
100K ± 20%		-2700 ±300	
1M ±30%		-4000 ±500	
10M ±30%		-6000 ±500	

## 2.10 R-7100 PASTES FOR SURGE PROTECT

Resistivity (ohm / □ )	0.05	0.1	0.2	0.5	1.0	5.0
Tolerance (%)	±20%					
TCR (ppm/°C)	500 ± 200				0~300	±100
Surge Stability (%)	(Pulse)10/1000 μs、100time					±0.1
Overglazing Drift (%)	±6.0					

## 2.11 R-7200 FOR HIGH POWER CAPACITY APPLICATION

R-7200 Series	Resistivity ( ohm /□) Tol. : ±15%	Power Capacity	TCR (ppm/°C)	STOL (%)	ESD (%)	Load Stability (%)
R-7210	1	1W/mm <sup>2</sup>	±250	±1	±1	±1
R-7250	5					
R-7211	10		±100			
R-7212	100					
R-7213	1K					
R-7214	10K					
R-7215	100K		±150			
R-7216	1M					