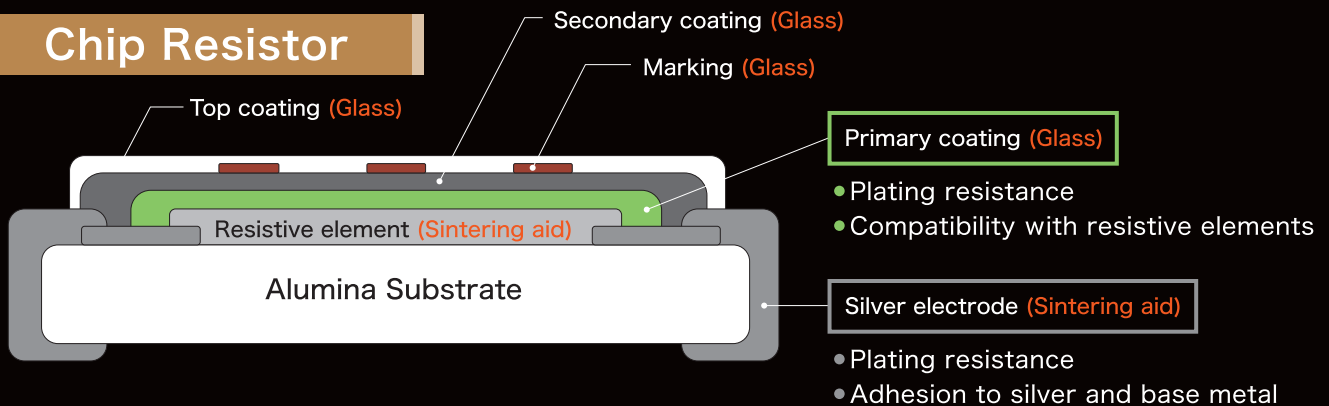


# Lead-free glass powder for electronic components

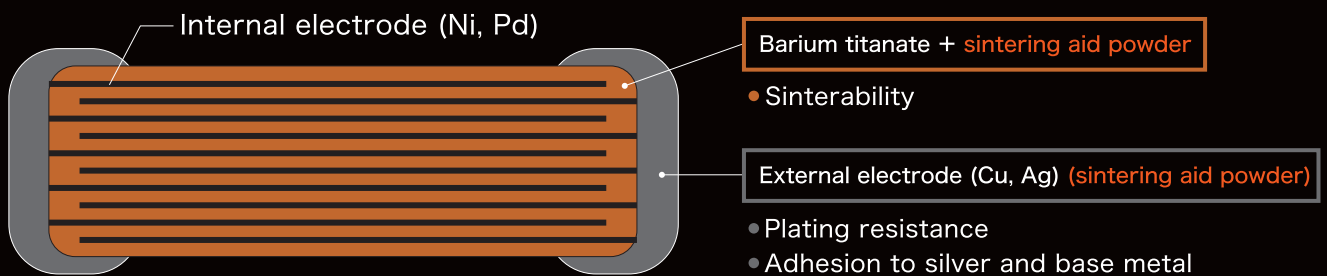


Support electronic component industry  
OKUNO's glass powder supports various industry

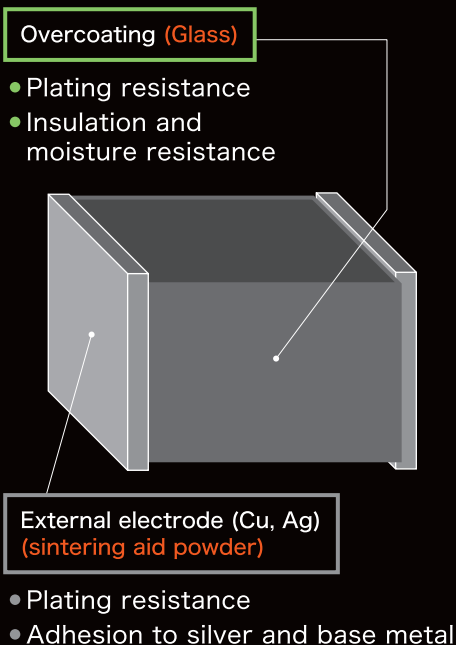
## Chip Resistor



## Multilayer Ceramic Capacitors



## Chip thermistor, Inductors and others



## Lead-free glass powder for electronic components

Type	Product	Coefficient of thermal expansion ( $\times 10^7/^\circ\text{C}$ )	Temperature of softening ( $^\circ\text{C}$ )	Insulation resistance value ( $\Omega$ )
Bi	GF3410	108	414	$5.0 \times 10^9$
	GF3520	77	518	$1.4 \times 10^{13}$
	GF3550	84	560	$6.4 \times 10^8$
	GF3580	68	578	$7.1 \times 10^{12}$
Zn	GF4550	80	575	$7.7 \times 10^9$
	GF4610	60	630	$4.8 \times 10^{11}$
	GF4630	43	631	$2.0 \times 10^{12}$
Si	GF5600	75	600	$9.4 \times 10^9$
	GF5770	64	740	$2.8 \times 10^{11}$
	GF5780	56	780	$1.9 \times 10^{12}$