



**ENGINEERED
CONDUCTIVE
MATERIALS**

[HOME](#) | [ABOUT ECM](#) | [CONTACT US](#) | [REQUEST SAMPLES](#) | [NEW PRODUCTS](#) | [UPCOMING EVENTS](#)

[MEMBRANE SWITCHES](#) | [HEATERS](#) | [BIOSENSORS](#) | [FLEX CIRCUITS](#) | [SOLAR CELLS](#) | [SURFACE MOUNT](#)

HEATERS

Product Designation	Description	Typical Application/Benefit	Application Method	Electrical Resistance Ohms/Sq/Mil
Silver Buss Bars				
CI-1001	Silver-vinyl ink, highly conductive, flexible	Circuit traces / Low Ω , low cost	Screen Print	< 0.015
CI-1028	Silver-polyester ink, high solids, wear resistant, fast dry	Circuit traces / fine line printable, long switch actuation life	Screen Print	< 0.020
Carbon Resistors				
CI-2002 Series	Carbon inks, stable resistance	Varied resistance blends for target resistance matching	Screen Print	20 – 100,000
CI-2026 Series	Carbon inks, stable resistance, high temperature compatible thermoset	Severe environment compatible	Screen Print	20 – 1000
CI-2042	Low ohm stable resistance carbon heating element	Low resistance heating element	Screen Print	< 10
Dielectric Insulators				
DI-7503	Dielectric, UV cure	Buss bar insulation, highly flexible	Screen Print	>1,000 Mega ohms
Positive Temperature Coefficient Resistor				
CI-5012	Proprietary PTCR ink, 40°C shut-off temperature	Self regulating heaters, current control, sensors	Screen Print	> 50 up to 40°C, >1.5k over 40°C
CI-5012	Proprietary PTCR ink, 65°C shut-off temperature	Self regulating heaters, current control, sensors	Screen Print	> 30 up to 65°C, >3.0k over 65°C
Miscellaneous				
DB-1501	Silver epoxy, single component	SMD attachments, high shear strength, long stencil life	Stencil Print	0.0004 ohm-cm
DB-1561	Silver epoxy, two component	SMD attachment, low temp cure	Needle Dispense	0.003 ohm-cm
DI-7801	UV pressure sensitive adhesive	Selectively print PSA, eliminate die-cut tapes	Screen Print	>1000 Mega ohms