

# CEM-3 E-668T Type(K)

## Copper Clad Laminate for Tracking-Resistant Composites

### ■ Features

- Good tracking resistance(CTI600).

### ■ Applications

- Power supply units.
- Displays.
- Air conditioners.
- Washing machines

### ■ Standard Specifications

Part Number	Type	Master Size(Length×Width)(mm)	Copper Foil Thickness	Actual Thickness(mm)
E-668T (Double-side)	(K)	1030 <sup>+5</sup> <sub>-0</sub> × 1030 <sup>+5</sup> <sub>-0</sub>	18μm 35μm 70μm	0.8
				1.0
				1.2
				1.6
E-568T (One-side)	(K)	1230 <sup>+5</sup> <sub>-0</sub> × 1030 <sup>+5</sup> <sub>-0</sub>	35μm 70μm	0.8
				1.0
				1.2
				1.6

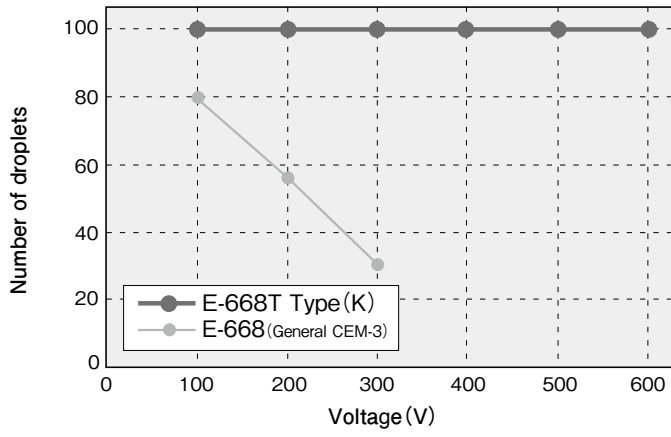
※Please consult in advance for production support.

### ■ Characteristics

Item	Condition	Unit	Actual Value	Test Method (IPC-TM-650)	
			E-668T/E-568T		
Tg	TMA	°C	130~140	2.4.24	
CTE	X	ppm/°C	18~22	2.4.24	
	Y		19~23		
	Z		40~50		
Solder Heat Resistance(260°C)	A	sec.	>120	—	
Copper Peel Strength	18μm	A	1.2~1.6	2.4.8	
	35μm		1.8~2.2		
Dielectric Constant	1MHz	C-96/20/65	—	4.4~4.8	2.5.5.1
Dissipation Factor	1MHz	C-96/20/65	—	0.024~0.030	2.5.5.1
Volume Resistivity		C-96/20/65	Ω·cm	5×10 <sup>15</sup> ~5×10 <sup>16</sup>	2.5.17
Surface Resistance		C-96/20/65	Ω	5×10 <sup>14</sup> ~5×10 <sup>15</sup>	
Insulation Resistance		C-96/20/65	Ω	1×10 <sup>14</sup> ~5×10 <sup>15</sup>	—
		C-96/20/65+D-2/100		1×10 <sup>13</sup> ~1×10 <sup>14</sup>	
Water Absorption		E-24/50+D24/23	%	0.04~0.08(1.6mm)	2.6.2.1
Flammability		A	—	V-0	UL94

The contents of this report are based on the results of experiments conducted by HITACHI CHEMICAL and do not represent a guarantee of the values for each property. Before using this product, please study its properties, methods for using it, etc., using this data as a reference.

●Tracking Resistance



Method	IEC-60112
Electrolyte	NH <sub>4</sub> Cl (0.1%)
Voltage	100~600V
Detection	0.5A/2sec.

