

Accessories (cont'd)

Thermal Conductive Insulators

- Thermal Grease or Mica Wafer Not Required
- Thermally Stable
- Non-Toxic
- Flame Retardant
- Solvent Resistant
- Withstands Solder Process Temperatures
- Mounting Pressure: 300-600 PSI Typ

ECG thermal conductive insulators are made of a silicone rubber and fiberglass composite which is non-toxic and will resist cleaning agents. These flame retardant insulators are primarily used to electrically isolate power sources from heatsinks.

The surfaces of the ECG425 series insulators are pliable and allow complete surface contact to insure maximum heat conduction. They will not chip or fracture under high compressive stress and their thermal resistance improves the longer they are used. The ECG425 insulators have excellent cut-through resistance and contain no organic materials which will support fungal growth.

Characteristics (.009" Thickness)

Breaking Strength	100 Lbs./In.
Elongation	4%
Volume Resistance	
Normal	$1.0 \times 10^{13} \Omega/\text{Meter Min.}$
Moist	$1.5 \times 10^{10} \Omega/\text{Meter Min.}$
Breakdown Voltage	
Normal	5000 V Min.
Moist	2500 V Min.
Dielectric Constant (K)	5.5
Continuous Use Temperature	-60 to +180°C
Thermal Conductivity	$0.7 \frac{W}{m-k}$
Specific Gravity	2.0-2.1
Thermal Resistance (TO-3)	0.50°C/Watt

Dimensions

Type	A	B	C	D	E	F	G	TO-3
ECG425A	1.650	1.140	.140	.093	1.187	.430	.072	
ECG425B	1.650	1.140	.165	.062	1.187	.430	.072	
ECG425C	1.650	1.140	.140	.046	1.187	.430	.072	

Type	A	B	C	D	E	F	G	TO-66
ECG425D	1.312	.762	.140	.062	.960	.200	.100	

Type	A	B	C	D	Style	D DIA.
ECG425E	.750	.500	.187	.147	TO-220	
ECG425F	.437	.312	.140	.093	TO-126	

Type	A	B	Style	D DIA.
ECG425G	.510	.200	DO-4	
ECG425H	.800	.260	DO-5	

Type	A	B	C	D	Style	C DIA.
ECG425J	1.063	.690	.190	.190	TO-36	

Type	A	B	C	D	E	Style	D DIA.
ECG425K	.865	.650	.650	.140	.205	TIP-36	
ECG425L	1.260	.787	.984	.142	.205	TO-3P	

Note: All dimensions are in inches.