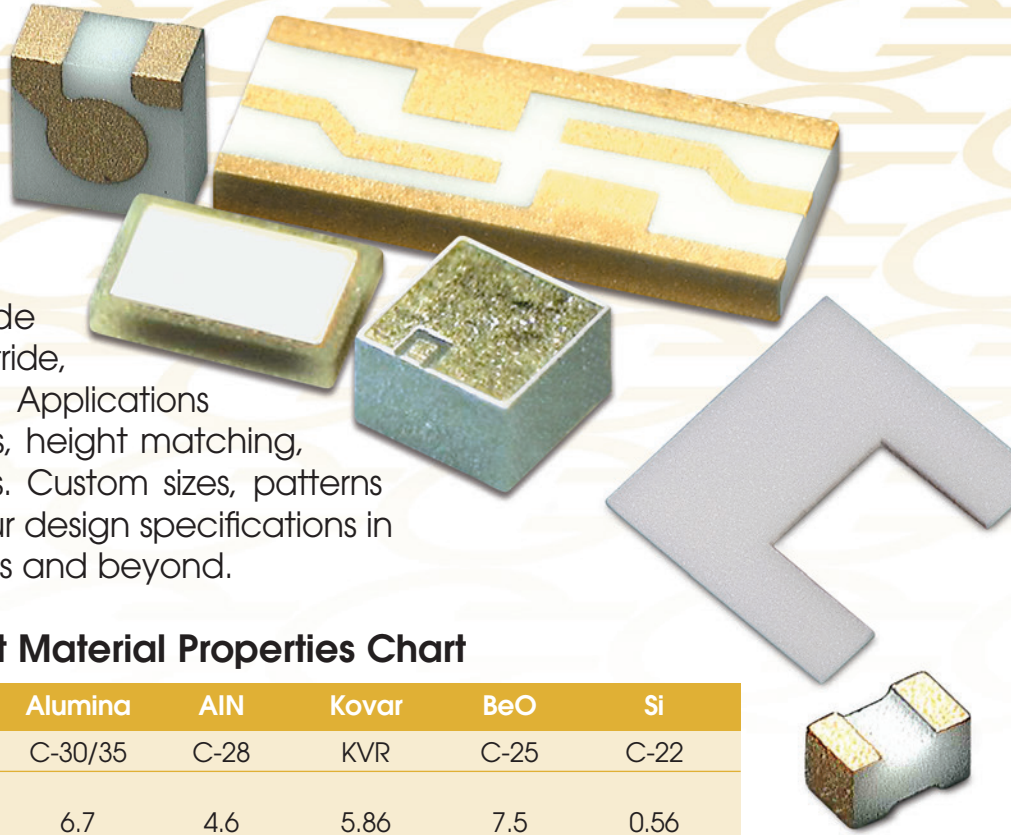


# SBT Series Submounts

Submount materials include quartz, alumina, aluminum nitride, kovar and beryllium oxide. Applications include heat sinks, standoffs, height matching, bonding pads, and jumpers. Custom sizes, patterns and shapes available to your design specifications in thicknesses from 3 to 100 mils and beyond.



## Submount Material Properties Chart

	Quartz	Alumina	AlN	Kovar	BeO	Si
Complex Material Code	C-20	C-30/35	C-28	KVR	C-25	C-22
Coefficient of Thermal Expansion (ppm/°C)	6	6.7	4.6	5.86	7.5	0.56
Thermal Conductivity (W/m-K)	1.6	26	170	17.3	270	1.38 (SiO <sub>2</sub> )

## Submount Part Number Assembly

Example: Complex Series SBT, dielectric type C-28, .020" x .020" x .006", gold, cut to size, .0005" thickness tolerance

**SBT - 28 - 20 x 20 x 6 - G - S 5**

Style	SBT or CSX								
	SBT - Edge-to-edge plated or bare								
	CSX - Custom patterned								
Material	See <i>Submount Material Properties Chart</i> above								
Length (mils)									
Width (mils)									
Thickness	3 to +100 mils								
Metallization	G (gold), B (bare), or Custom								
Cut to Size (mils)									
Thickness Tolerance (only utilized if <.0005"; figure represents tenths of a mil)									

**Please contact factory to request free samples.**

Dimensional Tolerance: Standard is .001" for length, width, and thickness. Tighter tolerances down to .0002" are available.

**Kits available for design development**