



### Material Specification

#### Chemical Composition

Beryllium Copper	Alloy 25
Beryllium	1.8 - 2.0 %
Cobalt plus Nickel	0.2 % min
Cobalt plus Nickel Iron	0.6 % max
Copper	Balance

#### Mechanical and Electrical properties

Tensile strength	185 - 215 Ksi
Yield strength	160 - 195 Ksi
Fatigue strength	42 - 47 10 [8] Ksi
Hardness	Rockwell c38 - 44
Electrical Conductivity	22 - 28 % IACS

#### Pressure Sensitive adhesive

3M Acrylic adhesive	A - 25 9485
Cure time	48 hours
Resistance to solvents	High
Service temperature range	-30°C - 150°C

#### Shielding Effectiveness

Typical at 1GHz - dependent on gasket	80 dB - 110 dB
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