



Laser Process Mfg., Inc.

Tolerances for Ceramic and Aluminum Nitride

- *Scribed edge to scribe lines,
cut outs or hole center* *+/- .003*
- *Cut edge or alignment flats
to scribe line, holes or cut features* *+/- .001*
- *Internal features to other features
or scribe lines* *+/- .001*
- *Hole Diameter with pin gage
(go/no-go)* *+/- .001*
- *Hole Taper :*
 - .002-.030 thick* *.002*
 - .031-.045 thick* *.003*
 - .046-.100 thick* *.004*
- *Scribe Depth:*
 - .005-.030 thick* *40% of thickness*
 - .031-.100 thick* *45-50% of thickness*
- *Pulse Spacing:*
 - .005-.030 thick* *.003-.007*
 - .031-.100 thick* *.005-.009*

Notes:

1. *A minimum of border of five times the thickness should be left between a scribed edge to be broken and an As Fired edge of the plate.*
2. *Sharp corners should be radius to reduce stress induced cracking.*
3. *No two machined features should have edges closer than one material thickness to the other.*
4. *Tighter tolerances can be achieved upon request*
5. *All tolerances are in inches*
6. *Tolerances are non-cumulative*