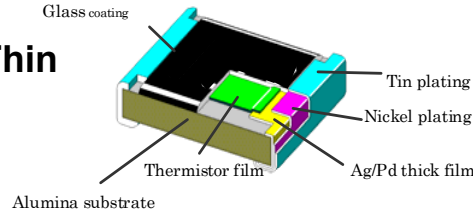
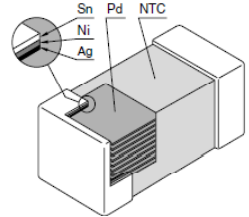


## Comparison table of Tateyama Thick Film Chip Thermistors and other Thermistors

	TATEYAMA Thermistor <b>Thick Film Chip Structure</b>	Other Thermistor Layered condenser structure
<Product structure>	<p>Size T : <b>Thin</b></p> 	<p>Size T : <b>Thick</b></p> 
<Electric property>	<ul style="list-style-type: none"> <li>• Heat conduction : <b>Fast</b> (Alumina base) → <u>Sensitive as sensor</u></li> <li>• Dissipation factor : <b>Small</b></li> <li>• Thermal time constant : <b>Small</b></li> <li>• Volume : <b>Small</b> → Low power rating</li> </ul>	<ul style="list-style-type: none"> <li>• Heat conduction : <b>Slow</b> → <u>Insensitive as sensor</u></li> <li>• Dissipation factor : <b>Large</b></li> <li>• Thermal time constant : <b>Large</b></li> <li>• Volume : <b>Large</b> → High power rating</li> </ul>
<Mechanical strength>	<ul style="list-style-type: none"> <li>• Alumina substrate : <b>Strong</b></li> <li>• Adhesion : <b>High</b></li> </ul>	<ul style="list-style-type: none"> <li>• Sintered body : <b>Fragile</b> → Layer separation, Micro crack.</li> <li>• Adhesion : <b>Low</b></li> </ul>
<Climatic ability>	<ul style="list-style-type: none"> <li>Reliability : OK</li> <li>Glass over coating → Long shelf life</li> </ul>	<ul style="list-style-type: none"> <li>Reliability : OK</li> </ul>