



# DUPONT™ GREENTAPE™ 9K7

LOW TEMPERATURE CO-FIRED CERAMIC SYSTEM

## PRODUCT SELECTOR GUIDE

### Co-fired Dielectric Tape Set

Tape Product	Green Sheet Thickness
9K7V	5.0 mils, (127 µm)
9K7X	10.0 mils (254 µm)

### Co-fired Material Sets

Application	Gold System	Silver System
Via fill	LL502 Au	LL601 Ag
Internal signal line	LL505 Au <sup>1</sup>	LL612 Ag
Internal ground plane	LL505 Au <sup>1</sup>	LL602 Ag
External signal line	LL507 Au <sup>2</sup>	LL617 AgPd, LL612 Ag
External ground plane	LL507 Au <sup>2</sup>	LL617 AgPd, LL602 Ag
Wire bondable - 1 mil; internal transition to cavity ledge	LL505 Au <sup>1</sup>	–
Wire bondable - 1 & 2 mil Au	LL507 Au <sup>2</sup>	–
Solderable conductor, multiple firings	LL509 AuPt	–
Solderable conductor, co-fire only	–	LL617 AgPd <sup>3</sup>
Buried resistor	–	HFB12 (20 Ohm), HFB22 (200 Ohm)

### Post Fired Material Sets

Application	Gold System	Silver System
Solderable conductor	4597 AuPtPd	6277 AgPd, 7484 AgPd
Braze adhesion layer	5062D Au	5081 AgPt
Braze barrier layer	5063D Au	5082 AgPt
Braze solder alloy	5087	5087

1. LL505 Au<sup>1</sup>: for internal or internal transition to external wire bond shelf use only. Not designed to be used externally in large area signal line and ground plan applications.

2. LL507 Au<sup>2</sup>: for external use only.

3. LL617 AgPd<sup>3</sup>: co-fire only applications. Applications requiring multiple 80°C firings should use 6277 AgPd or 7484 AgPd in a post fired conductor format.

Note: This Selector Guide represents a small cross-section of the DuPont™ GreenTape™ product line. For more information on products not listed here, please contact your local DuPont Sales Representative

**Please note: Not all products are available in all regions. Contact us to discuss your specific needs.**



## **DUPONT™ GREENTAPE™ 9K7 LOW TEMPERATURE CO-FIRED CERAMIC SYSTEM**

**FOR MORE INFORMATION ON DUPONT™ GREENTAPE™ 9K7 OR OTHER DUPONT MICROCIRCUIT MATERIALS,  
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CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Medical Caution Statement," H-50102-5 K-23360-2 (3/15)