

# Eco-friendly Material for High-frequency Applications

Sustainable Resins, Steady Performance.

Eco-friendly material that can be used in high-frequency connectors



## New Materials with Low Dielectric and Biomass Content of 30% or More

### Features

- Low-dielectric and eco-friendly material for high-frequency connectors, jointly developed with UNITIKA LTD. (Hosiden's original XecoT: Semi-aromatic nylon resin (PA10T))
- Dielectric constant ( $\epsilon_r = 3.3$  or less) and dielectric tangent ( $\tan\delta = 0.01$  or less), close to those of conventional high speed data transfer connectors
- Biomass content 30% or more
- Reflow process resistant
- Resin compounding ratio can be adjusted according to the desired characteristics (e.g., eco-focused, strength-focused, etc.)

\*XecoT is registered trademark of UNITIKA LTD.

●Specification indicated in this Technical Report is outline only at present. Any products in this Technical Report are subject to any modification for further development and the products improvements without prior notification. ●When employing the product, use of an officially authorized specification is recommended. ●Please feel free to contact us with any enquiries about our products and their uses.

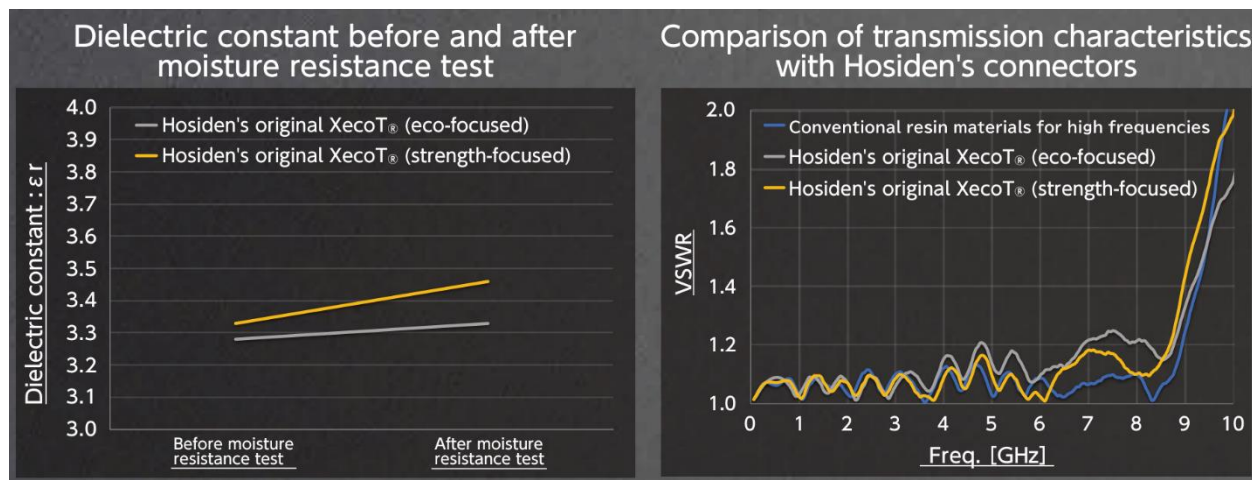


Hosiden Corporation

4-33, Kitakyuhoji 1-chome, Yao, Osaka 581-0071 JAPAN  
www.hosiden.com/en/

As of November 2024  
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### Features



### Applications

- High speed data transfer connectors, etc.



\* Images are for reference only.

### Specifications

Item	Eco-focused	Strength-focused
Dielectric Constant@1[GHz]	3.3 or less	3.3 or less
Dielectric Tangent@1[GHz]	0.01 or less	0.01 or less
Bending Strength[MPa]	6800	8400
Biomass Content[%]	Approx. 38.8	Approx. 30.5

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