

**TABLE 4.** Key substrate characteristics of flex substrates.

<b>DESIGN FEATURES</b>	<b>CONVENTIONAL</b>	<b>LEADING EDGE</b>	<b>STATE OF THE ART</b>
Lines & spaces ( $\mu\text{m}$ )	100-250	50-100	25-50
(Conductive) layer count	1-2	2-12	>12
Dielectric thickness ( $\mu\text{m}$ )	25-100	12-25	12
Adhesive	Yes	Adhesiveless	Adhesiveless
Controlled impedance	No	Yes	Yes