



Produktionsstandort

Designation		Std. T _g 130-140°C	Mittel T _g 150°C	Hoch T _g >170°C	Thermal resistant, esp. for lead-free technologies	Cycle resistant -40°C/+140°C, 1000 cycles	α _z CTE <70 ppm/K	α _z CTE <50 ppm/K	α _z CTE <40 ppm/K	ε _r D _k <3.9@2 GHz	Tan δ D _k <0.01@2 GHz	High speed/high frequency	Low damping (α S21/db)	CAFenhanced	Bottegone	Dueren	Other regions	Remark
Standard Epoxy Laminates	DE104/PCL240	●					●							●	●			Standard FR-4
	DE104KF	●						●						●	●			CTI 400
	PCL254		●					●							●			filled resin system
	DE117/FR406/PCL370			●			●									●		FR-4
Green Laminates	DE156		●		●	●			●					●		●		Halogen free flame retarder
	IS500			●	●	●			●					●		●		High Tg, halogen free flame retarder
Thermal Reliable Epoxy Laminates	DE104i	●			●			●						●	●			Standard FR-4 improved
	IS410			●	●		●							●	●			High Tg FR-4
	IS400		●		●	●		●						●	●			filled resin system
	IS420			●	●	●		●						●	●			filled resin system
	PCL370HR			●	●	●		●						●	●			filled resin system
Signal- Integrity	FR408			●	●		●		●	●	●			●		●	●	Signal integrity/epoxy based
	IS620i			●	●			●	●	●	●	●	●	●		●	●	APPE alternative
	IS680			●	●		●		●	●	●	●	●	●		●	●	PTFE alternative
High- Performance	G200			●	●		●		●	●				●			●	BT semiconductor grade
	P96/P26			●	●		●										●	Polyimide, V-0, MDA-free

n = promote

n = not promoted, but available

December 2008/KS/Goe