



TLC-W-591/ TLC-W-591LK Series (CCL) TLP-591/ TLP-591LK Series (Prepreg)

Application

- High frequency filter, Power Amp. for Base Station, Converter for CS, BS.
- IC Plastic Packages, High frequency Device etc..
- Base Station of Cellular Phone.

Features

- These materials are characterized by low dielectric constants and low electric dissipation factors.
- Their reliability, such as through-hole reliability and migration resistance reliability, is excellent.
- Poisonous gas is not generated.

General Property

Item	Condition	Unit	591	591LK	596ME (Standard)	
Flame Resistant	A	—	V-0 (Rating) Halogen Free	V-0 (Rating) Halogen Free	V-0 Halogen/Antimony	
Dielectric constant	1GHz	A	3.45	3.25	3.33	
	10GHz	A	3.43	3.22	3.26	
Dissipation factor	1GHz	A	0.0040	0.0035	0.0050	
	10GHz	A	0.0070	0.0060	0.0085	
Glass Transition Temp.	TMA	°C	180	180	180	
Coefficient of Thermal Expansion	X	TMA	ppm	15	15	16
	Y			15	15	19
	Z			38	38	85
Peel Strength (18µm)	A	kN/m	1.15	1.15	1.2	
Water Absorption	PCT-5h	%	0.45	0.45	0.45	

Dissipation factor Property

