

# DS-7405 / DS-7405(UV) / DS-7405S

## (ANSI: FR-4) High Tg, Multi-functional

### Features

- Di-functional epoxy resin type
- Good dimensional stability
- Good electric properties
- UV blocking property for DS-7405(UV)
- High CTI property for DS-7405S

### Applications

- Computer & peripherals
- VCR, TV, electronic game machine, etc.

### General Properties

Property	Unit	Test Condition	DS-7405	DS-7405 (UV)	DS-7405S
Tg	°C	DSC	135	135	135
		TMA	135	135	135
CTE Z-axis	ppm/°C	Ambient to Tg	60	60	50
Z-axis Expansion	%	50°C to 260°C	3.8	3.8	3.6
Decomposition Temp (5% wt loss)	°C	TGA	315	315	315
T-260	min	TMA	15	15	15
T-288	min	TMA	2	2	2
Dielectric Constant (R/C 50%)		C-24/23/50 (1GHz)	4.3	4.3	4.4
Dissipation Factor (R/C 50%)		C-24/23/50 (1GHz)	0.014	0.014	0.015
CTI	volt		150	150	600
Peel Strength (Standard profile 1oz)	N/mm	Condition A	1.9	1.9	1.9
Water Absorption	%	E-24/50+D-24/23	0.13	0.13	0.13

\* IPC-4101B/21

\* Test specimen thickness: 1.0mm (7628x5)