



# S6015

## Halogen Free RCC

### FEATURES

- Low Dk
- Halogen free
- Excellent thermal reliability
- Excellent mechanical process ability

### APPLICATIONS

PDA  
Digital VCR  
Smartphone

### GENERAL PROPERTIES

Test Items	Test Method	Test Condition	Unit	Typical Value
Tg	IPC-TM-650 2.4.25D	DSC	°C	145
Thermal Stress	IPC-TM-650 2.4.13.1	288°C, solder dip	s	>100
Permittivity (1GHz)	IPC-TM-650 2.5.5.9	C-24/23/50	-	3.4
Loss Tangent (1GHz)	IPC-TM-650 2.5.5.9	C-24/23/50	-	0.018
Volume Resistivity	IPC-TM-650 2.5.17.1	C-96/35/90	MΩ-cm	5.0×10 <sup>8</sup>
Surface Resistivity	IPC-TM-650 2.5.17.1	C-96/35/90	MΩ	5.0×10 <sup>9</sup>
Peel Strength (1oz)	IPC-TM-650 2.4.8	288°C/10s	N/mm [lb/in]	1.2 [6.86]
Water Absorption	IPC-TM-650 2.6.2.1	D-24/23	%	0.15
Flammability	UL94	C-48/23/50	Rating	V-0

Remarks: All the typical value listed above is for your reference only, please turn to Shengyi Technology Co., Ltd for detailed information, and all rights from this data sheet are reserved by Shengyi Technology Co., Ltd.

### PURCHASING INFORMATION

Copper Foil Thickness	Resin Thickness	Resin Tolerance	Product Size
12/18um	30~100um	± 5um	Available on request

### STORAGE CONDITION

- 3 months when stored at < 23°C and <50% RH.
- 6 months when stored at <5°C. Normalize in room temperature for at least 4h before using.
- Beware of moisture, always keep wrapped in damp-proof material. Keeping in normal condition, prepreg might absorb moisture and its bonding strength would be weakened.
- Avoid UV-rays and strong light.