Panasonic INDUSTRY

Any letters with parentheses ( ) at the end of a part number are for identification code in our company and are not included in the part numbers registered for UL certification.

Applications
Mobile
Smartphone, Tablet PC, etc.

Halogen -free

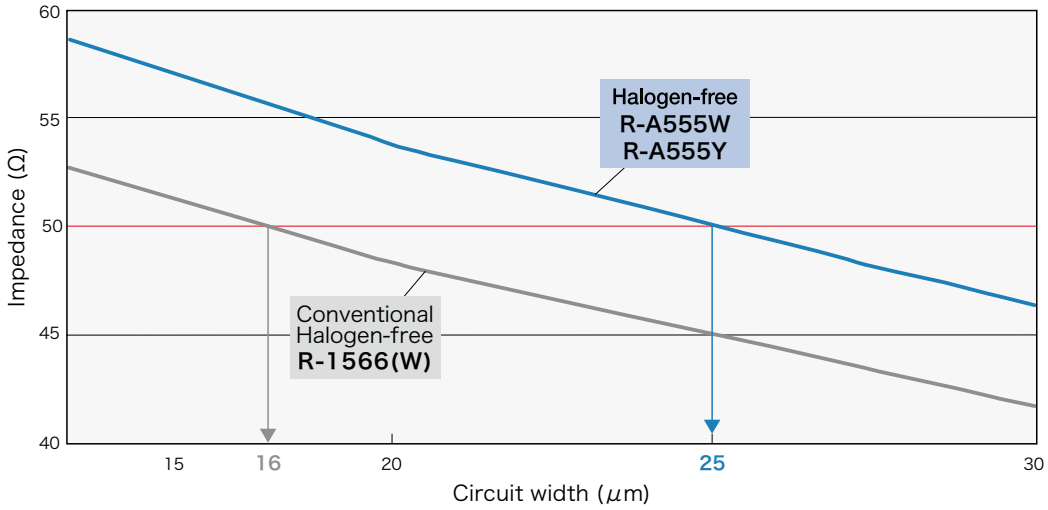
Halogen-free

Laminate
R-A555W R-A555Y
Prepreg
R-A550W R-A550Y

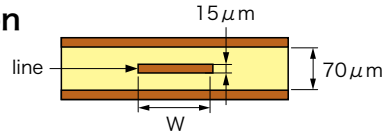
Low Dk Halogen-free multi-layer circuit board materials

Good impedance matching at ultra-thin insulated layer with low Dk property. Contribute to thinner and compact of mobile product.

Impedance simulation (Strip Line)



Construction



General properties

Item		Test method	Condition	Unit	Halogen-free R-A555W R-A555Y	Conventional Halogen-free R-1566(W)
Glass transition temp. (Tg)		DMA	A	℃	200	170
CTE z-axis	α1	IPC-TM-650 2.4.24	A	ppm/℃	37	40
	α2				210	180
T288(with copper)		IPC-TM-650 2.4.24.1	A	min	>60	3
Dielectric constant(Dk)*1	2GHz	IPC-TM-650 2.5.5.5	C-24/23/50	–	3.4	–
Dissipation factor(Df)*1					0.010	–

The sample thickness is 0.8mm.
*1 Resin content 70wt%

Our Halogen-free materials are based on JPCA-ES-01-2003 standard and others.
The above data are typical values and not guaranteed values.

Please see our website for Notes before you use.

industrial.panasonic.com/ww/electronic-materials
Panasonic Industry R-A555W

Panasonic Industry Co., Ltd. Electronic Materials Business Division