



Line-up
for
Network

Multi-layer circuit board materials for ICT infrastructure equipment

ICTインフラ機器向け多層基板材料

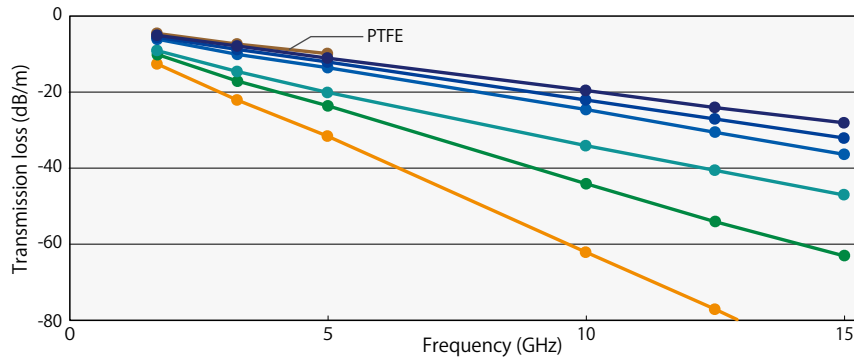
*ICT...Information and Communication Technology

Applications 用途

Server, Router, Switch, Supercomputer, Measuring instrument, Etc.
サーバ、ルータ、スイッチ、スーパーコンピュータ、半導体検査装置など

Multi-layer circuit board materials suitable to large capacity and high speed transmission of high frequency signal.
高周波信号などの大容量・高速伝送に対応する多層基板材料

Line-up ラインアップ



- MEGTRON7**
R-5785(N) [Cu: H-VLP]
- MEGTRON6**
R-5775(N) [Cu: H-VLP]
- MEGTRON6**
R-5775(K)/R-5775(G)
[Cu: H-VLP]
- MEGTRON4**
R-5725 [Cu: RT]
- MEGTRON4S**
R-5725S [Cu: RT]
- MEGTRONM**
R-5735 [Cu: RT]
- MEGTRON2**
R-1577 [Cu: RT]
- HIPER**
R-1755V [Cu: RT]



● Construction

Core	0.13mm
Prepreg	0.06mm x 2ply
Line length	1m
Cu thickness	t=35 μm
Impedance	50Ω

General properties 一般特性

Item	Tg	CTE z-axis		T288 (with copper)	Dk	Df	Peel strength	
		α1	α2					
Test method	DSC	IPC-TM-650 2.4.24		IPC-TM-650 2.4.24.1	IPC-TM-650 2.5.5.9		IPC-TM-650 2.4.8	
Condition	A	A		A	C-24/23/50		A	
Unit	°C	ppm/°C		min	—		kN/m	
MEGTRON8	R-5795(U)	220*1	50	270	>120	3.1	0.0012	0.7 (Cu:H-VLP3)
	R-5795(N)	220*1	50	270	>120	3.1	0.0016	0.7 (Cu:H-VLP3)
MEGTRON7	R-5785(N)	200	42	280	>120	3.4	0.001	0.8 (Cu:H-VLP)
	R-5785(GN)	200	42	280	>120	3.4	0.001	0.8 (Cu:H-VLP2)
	R-5785(GE)	200	42	280	>120	3.6	0.002	0.8 (Cu:H-VLP2)
	R-5785(R)	200	42	280	>120	3.4	0.001	0.8*2 (Cu:Buried Resistor)
Halogen-free MEGTRON6	R-5375(N)	250*1	39	200	>120	3.4	0.001	0.6 (Cu:H-VLP2)
	R-5375(E)	250*1	39	200	>120	3.7	0.002	0.6 (Cu:H-VLP2)
MEGTRON6	R-5775(N)	185	45	260	>120	3.4	0.002	0.8 (Cu:H-VLP)
	R-5775(K)/R-5775(G)	185	45	260	>120	3.7	0.002	0.8 (Cu:H-VLP)
	R-5775(S)	185	45	260	>120	3.4	0.002	0.8*2 (Cu:Buried Resistor)
	R-5775(R)	185	45	260	>120	3.7	0.002	0.8*2 (Cu:Buried Resistor)
MEGTRON4	R-5725	176	35	265	30	3.8	0.005	1.1 (Cu:RT)
MEGTRON4S	R-5725S	200	32	250	50	3.8	0.005	1.3 (Cu:RT)
MEGTRONM	R-5735	195	31	240	35	3.9	0.005	1.2 (Cu:RT)
Halogen-free MEGTRON2	R-1577	170	34	200	25	4.1	0.010	1.3 (Cu:ST)
HIPER	R-1755V	173	44	255	20	4.4	0.016	1.5 (Cu:ST)

The sample thickness of MEGTRON8, MEGTRON7, MEGTRON6 and Halogen-free MEGTRON6 is 0.75mm. The sample thickness of other part number is 0.8mm.

*1 Test method: DMA *2 Buried Resistor Copper Foil 1/2oz (18 μm)

Our Halogen-free materials are based on JPCA-ES-01-2003 standard and others. 当社ハロゲンフリー材料は、JPCA-ES-01-2003などの定義によるものです。The above data are typical values and not guaranteed values. 上記データは当社測定による代表値であり、保証値ではありません。

Please see the page for "Notes before you use" 商品のご採用に当たっての注意事項は こちら