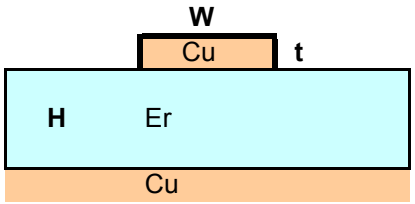
Revision Date 10/17/2003

"MICROSTRIP"

Data from Channel Ckts Peter

Er =	3.5	
H =	0.003	
W =	0.0090	
t =	0.0014	(1 oz Cu)



Ver 1.12		Ver 2.00	
2	polymide	2	polymide
1.4	1 oz Cu	2.8	2 oz Cu
3	Kapton	6	Kapton
1.4	1 oz Cu	2.8	2 oz Cu
2	polymide	2	polymide
9.8	Stackup	15.6	Stackup

Zo = 28.9 Ohms

NOTES: Cirexx will use .0058" kapton
Tom Stern's kapton is Er=3.5

Zo=[87/Sqrt(Er+1.41)]*ln[5.98H/(0.8W+t)] Ohms

Hall, S.H., et al "High Speed Digital System Design" pg 13, John Wiley 2000

Advanced Ckts advises that Dupont Kapton material only comes in 1, 3, 4, 5 and 6 mil thickness and the copper is only available in 1/2 ox (0.7mil), 1 oz (1.4mil) and 2 oz (2.8mil). 10/17/03

Cosmotronic indicated that 1 mil polymide would have a layer of adhesive making it 2 mils. They will quote based on the old version 112 fle

ex circuit