













LOSSES IN COPLANAR CIRCUIT		
Topology	Dielectric	Losses @ 30 GHz dB/cm
HRS	SiO2(1150°C)/SiNx (0.8/0.6µm)	5.1 (H ₂ SO ₄ /H ₂ O ₂) 1.1 (RCA)
LRS	BCB (10μm) BCB (20μm) BCB (30μm)	6.5 (RCA) 4.6 (RCA) 3.3 (RCA)
LRS	BCB (10µm) + Si etched 10µm	4.2 (RCA) (≡ BCB 20 μm)
membrane	SiO2(1150°C)/SiNx (0.8/0.6μm) BCB (10-30 μm)	0.56 (resistive losses)
	Metal : Ti/Au (1000A / 2.5µm)	

































