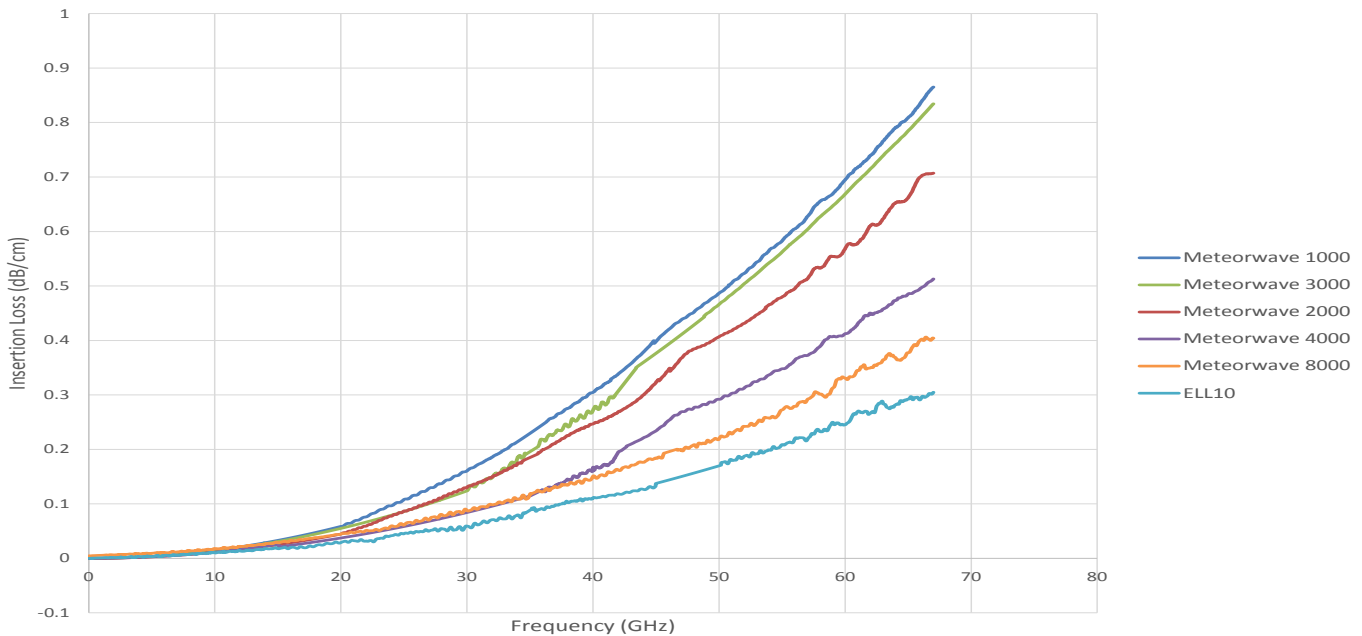


# meteorwave

## Very Low to Extremely Low Loss Materials

Laminate Properties	MW 1000	MW 2000	MW 3000	MW 4000	MW 3350	M-Ply	MW 8000	MW 8350	Upcoming ELL-10	Upcoming Halogen Free Meteorwave
Tg (DMA)°C	240	240	200	200	200	200	172	172	175	180
Td (TGA)°C	390	390	390	390	390	390	380	380	380	420
Dielectric Constant 10 GHz Stripline (Typical Resin Content)	3.4 (65%)	3.2 (65%)	3.6 (65%)	3.4 (65%)	3.5 (65%)	3.3 (77%)	3.2 (77%)	3.5 (58%)	3.2 (77%)	3.4 (65%)
Dissipation Factor 10 GHz Open Resonator	0.0047	0.0034	0.0039	0.0024	0.0038	0.0020	0.0016	0.0018	0.0012	0.0038
Z CTE % Expansion (50°C to 260°C) 43% RC 55% RC	1.5% 1.9%	1.5% 1.9%	2.1% 2.6%	2.1% 2.6%	2.6%	2.1%	2.0% 2.5%	2.0% 2.5%	2.0% 2.5%	1.9% 2.2%

Meteorwave® Insertion Loss to 67 GHz



Attenuation measured on a 50 characteristic ohm line coplanar wave guide by differential length