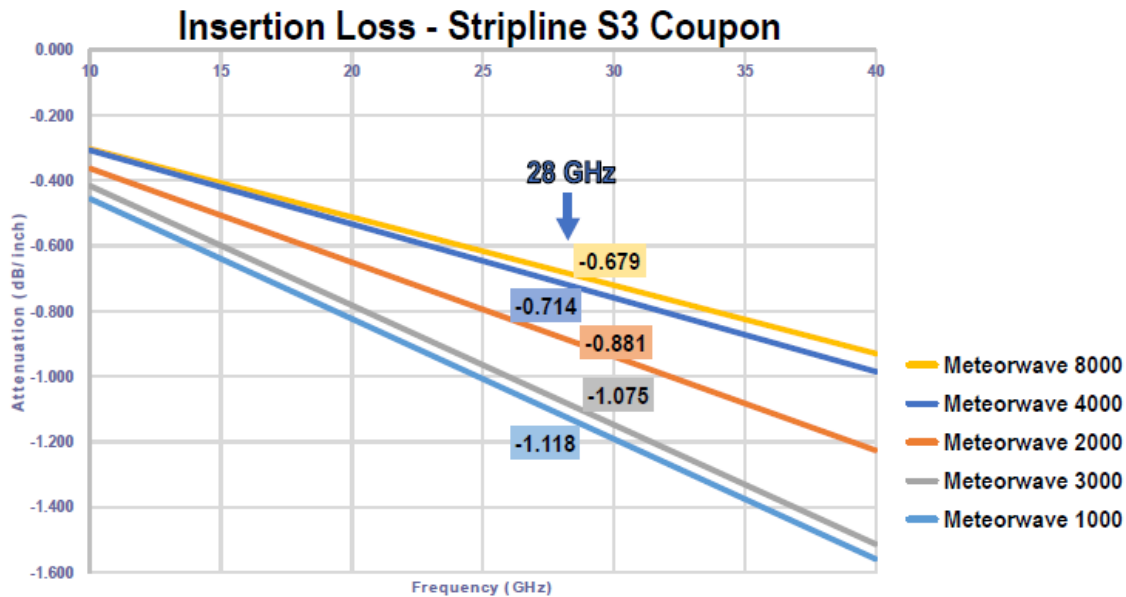


## Very Low to Extremely Low Loss Materials

Laminate Properties	MW 1000	MW 1000 NF	MW 2000	MW 3000	MW 3350	MW 4000	MW 4000M	M-Ply	MW M1	MW 8000	MW 8350	MW 8300
Tg (DMA)°C	240	240	240	200	200	200	200	200	230	185	185	190
Td (TGA)°C	390	390	390	390	390	390	390	390	391	376	376	376
Dielectric Constant 10 GHz Stripline (Typical Resin Content)	3.4	3.4	3.2	3.4	3.5	3.3	3.2	3.3	3.1	3.28	3.5	3.0
Dissipation Factor 10 GHz Open Resonator	0.0047	0.0047	0.0034	0.0039	0.0038	0.0024	0.0020	0.0021	0.0018	0.0016	0.0018	0.0025
Z CTE % Expansion (50°C to 260°C)	1.5%	1.5%	1.5%	2.1%	2.1%	2.1%	2.6%	2.1%	2.4%	2.5%	2.5%	2.5%



*Insertion Loss – Stripline S3 Coupon: Attenuation measured on a 50 characteristic ohm line coplanar wave guide by differential length.*

