

# Design of Index Match ITO

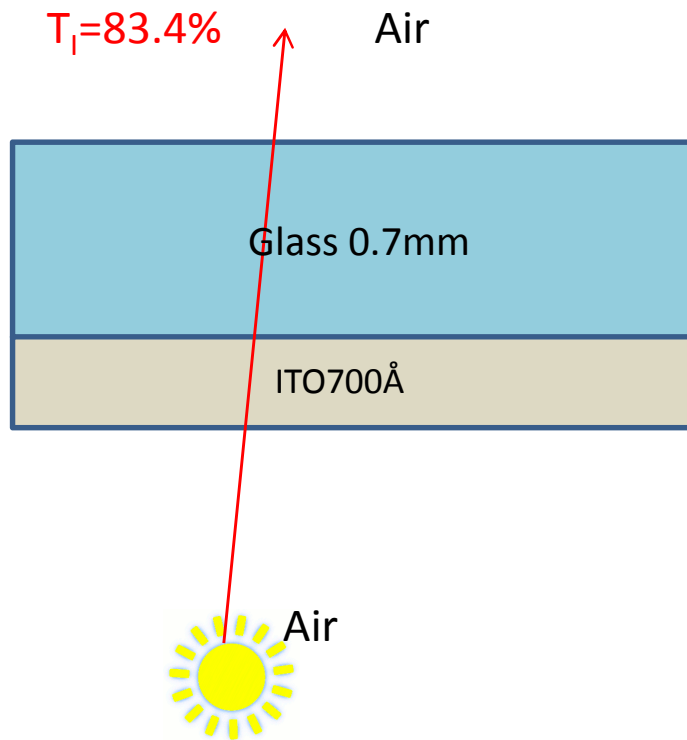
Apogee Optocom  
Department of R&D  
2018/06/13

## Film parameters

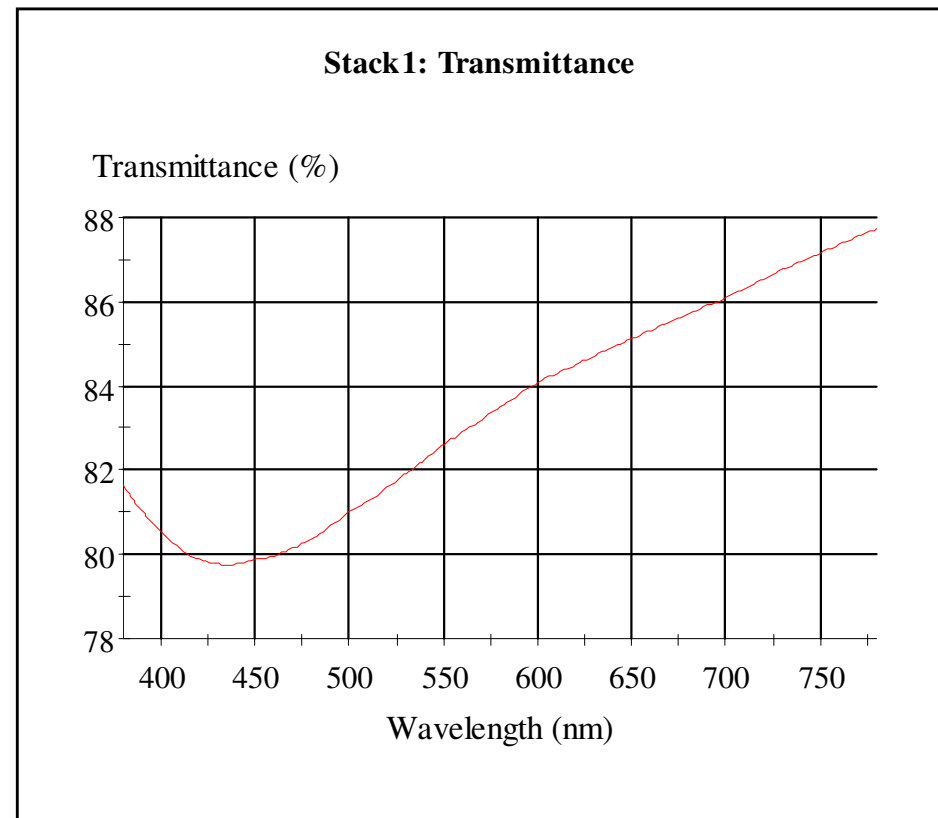
ITO膜厚	面電阻	電阻率
700Å	25Ω/□	1.752E-0.4 Ω-cm
300Å	60 Ω/□	1.800E-0.4 Ω-cm

Material	Refractive Index	Extinction Coefficient
Glass	1.5185	0.00000
Nb2O5	2.3400	0.00000
SiO2	1.4800	0.00000
ITO(190°C)	1.8020	0.00862
@λ=550nm		

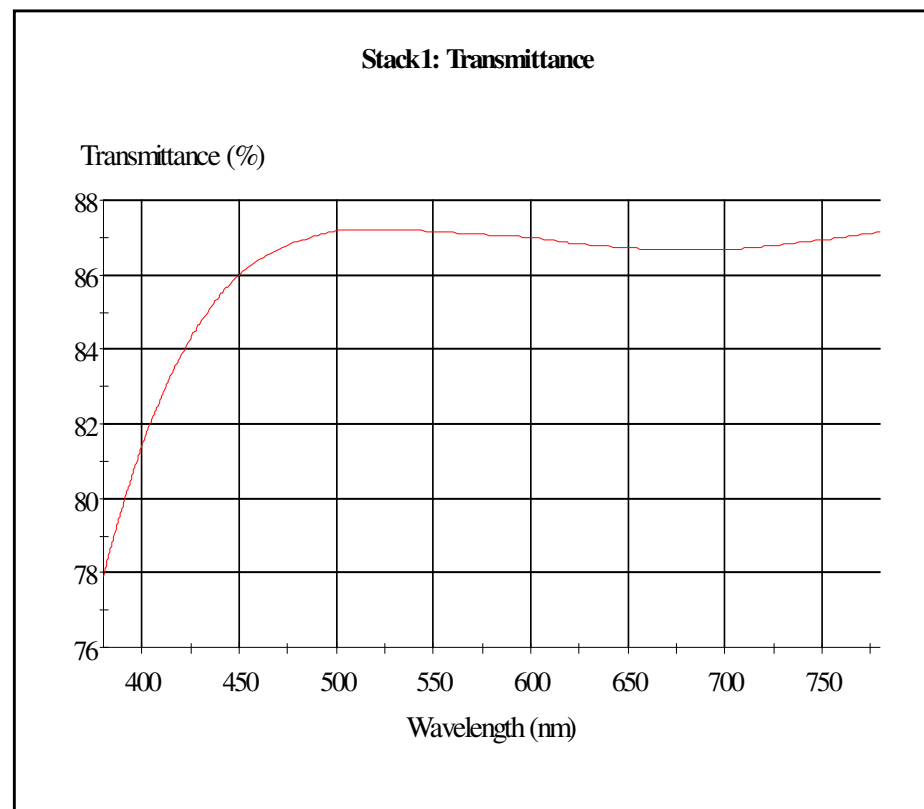
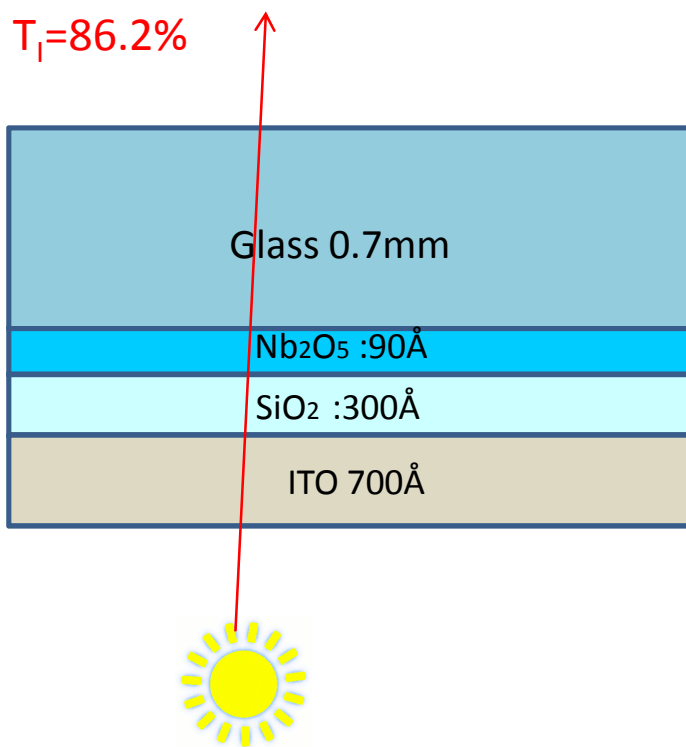
# T(%)-No Index Match ITO(700Å)



T : Average @ 380~780nm

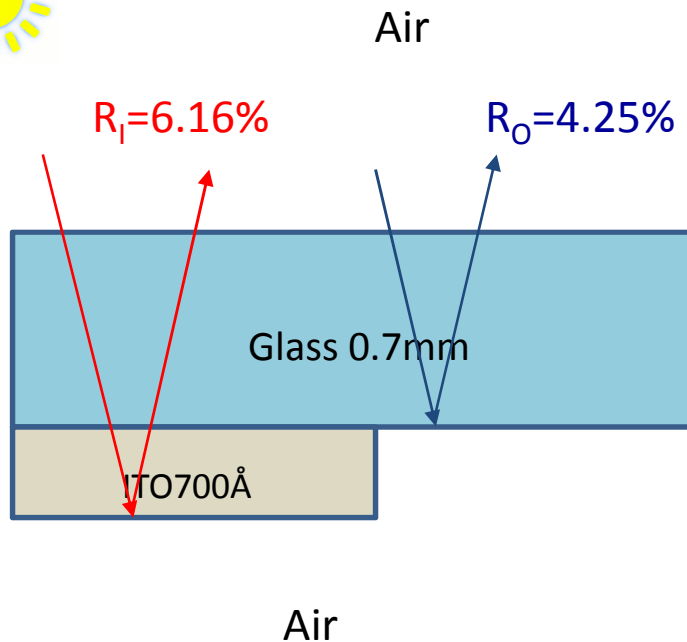


# T(%)- Index Match ITO(700Å)

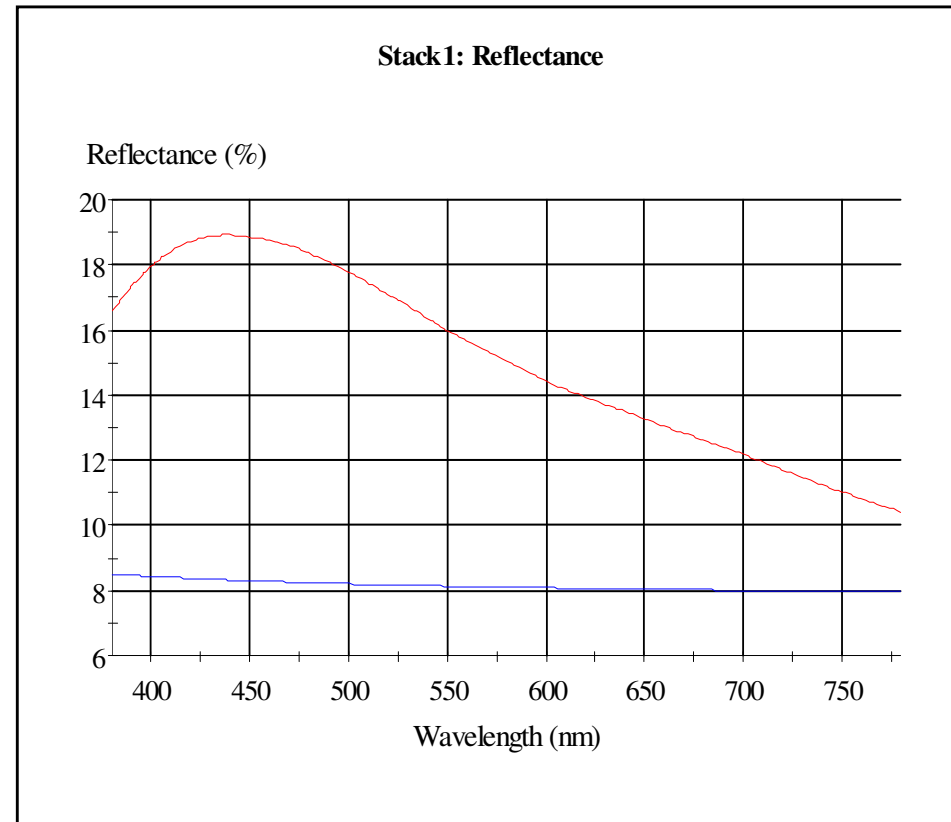


T : Average @ 380~780nm

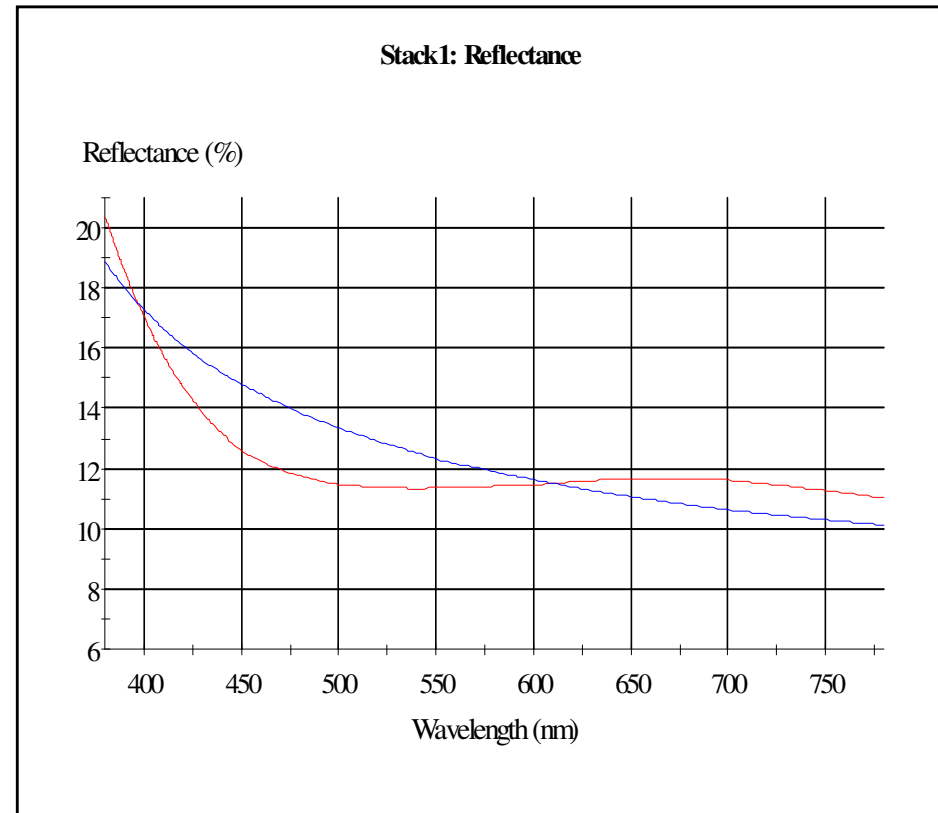
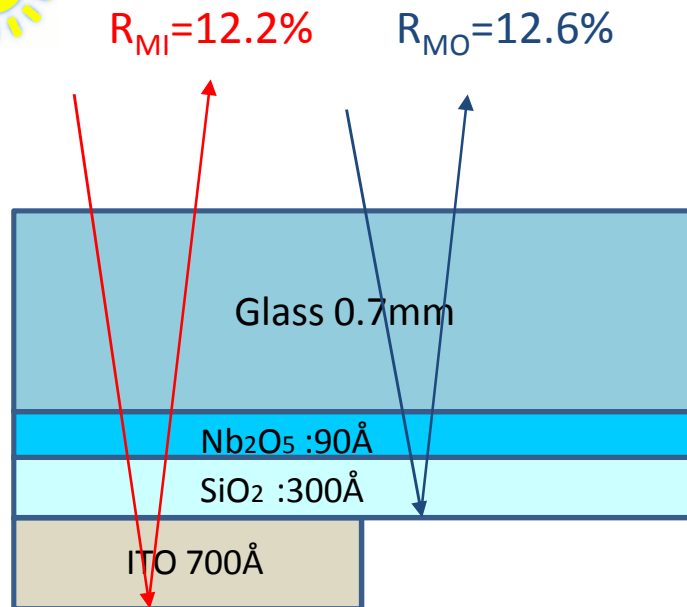
# R(%)- No Index Match ITO(700Å)



R : Average @ 380~780nm

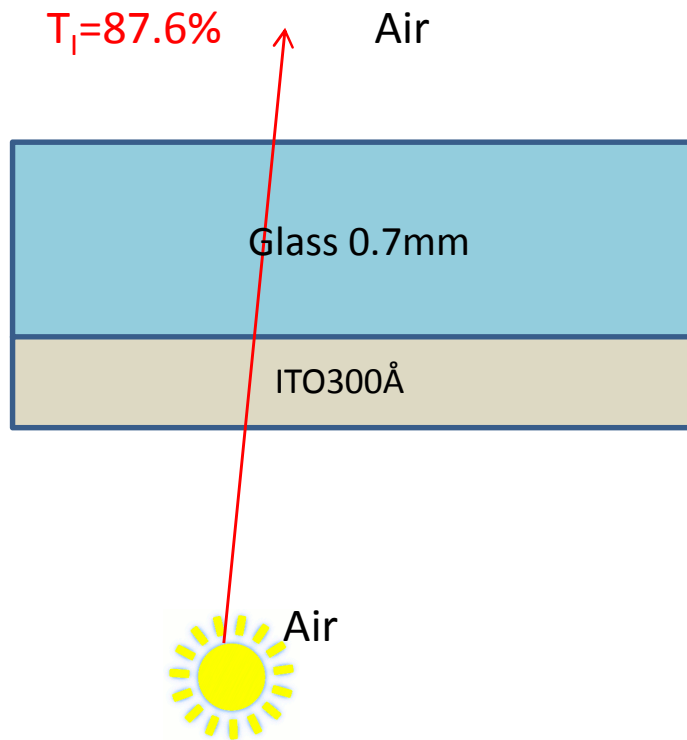


# R(%)- Index Match ITO(700Å)

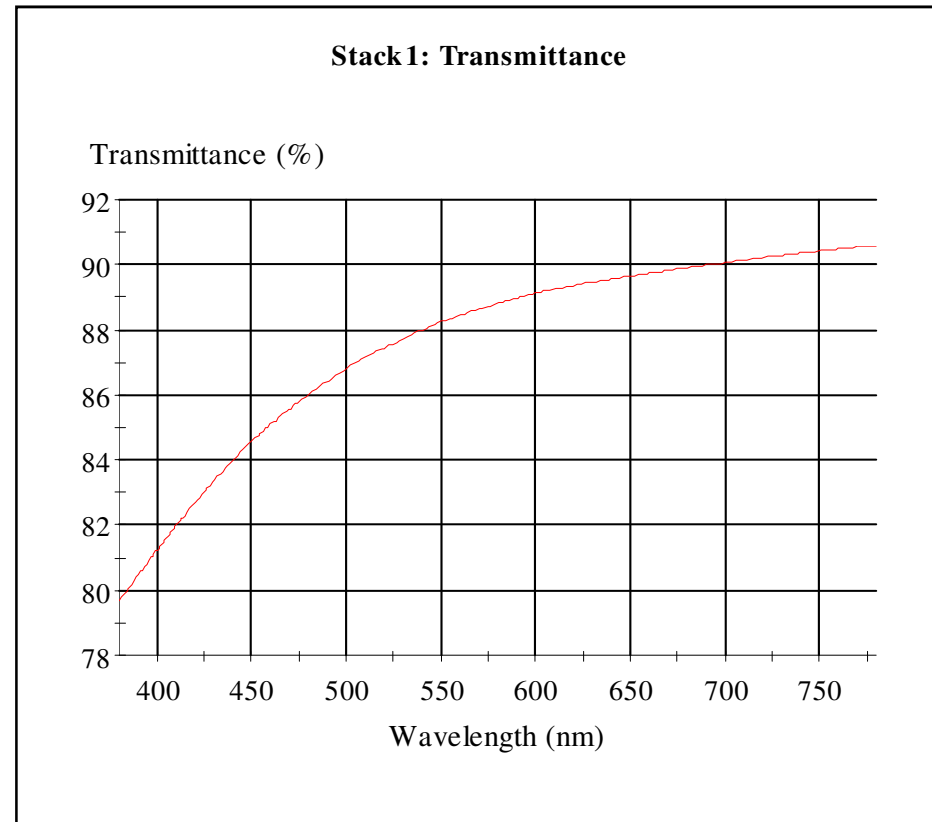


R : Average @ 380~780nm

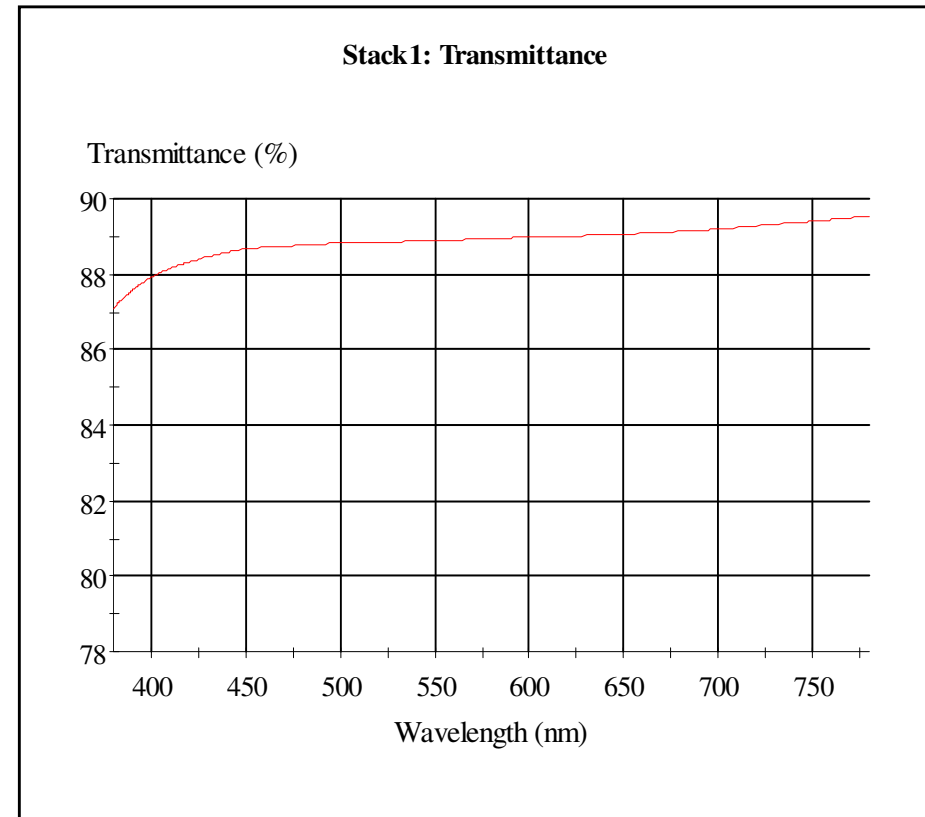
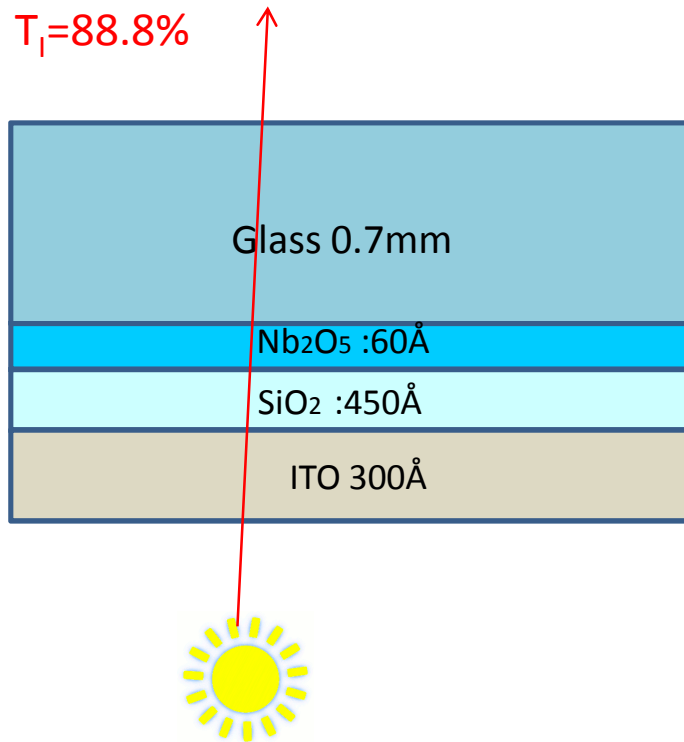
# T(%)- No Index Match ITO(300Å)



T : Average @ 380~780nm



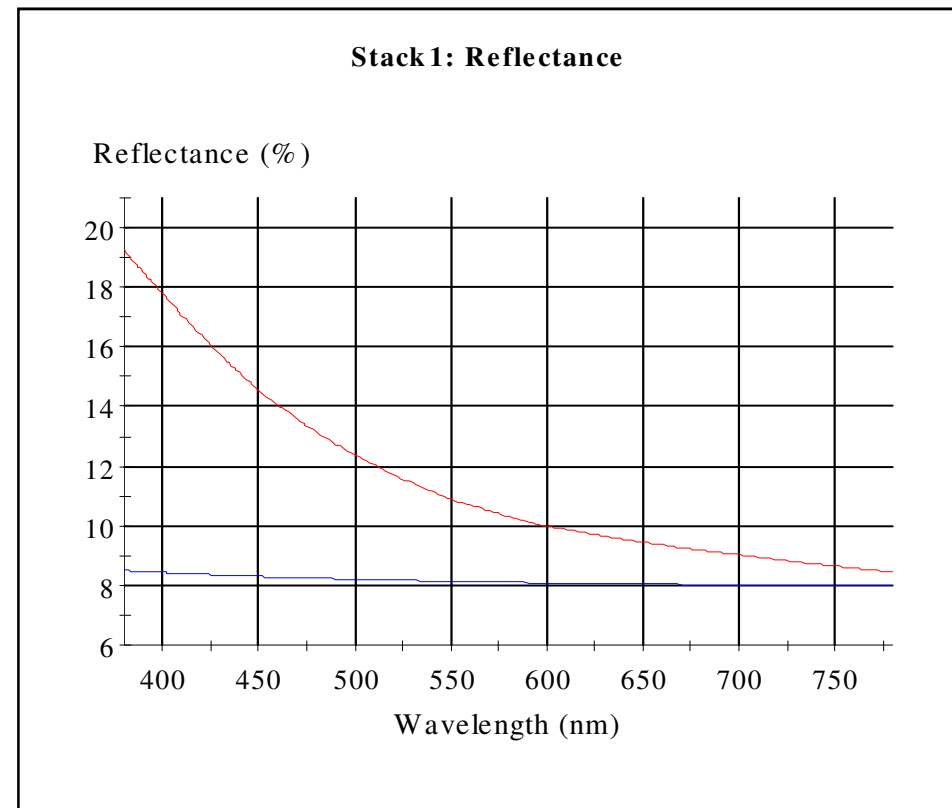
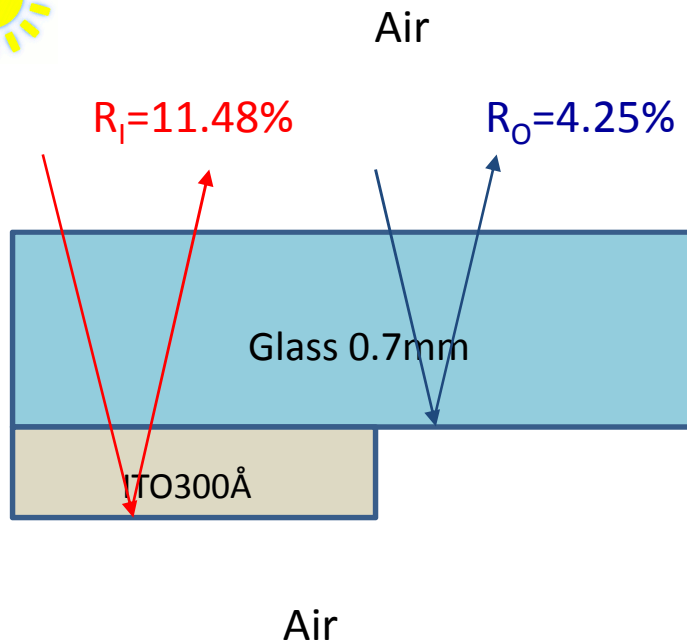
# T(%)- Index Match ITO(300Å)



T : Average @ 380~780nm

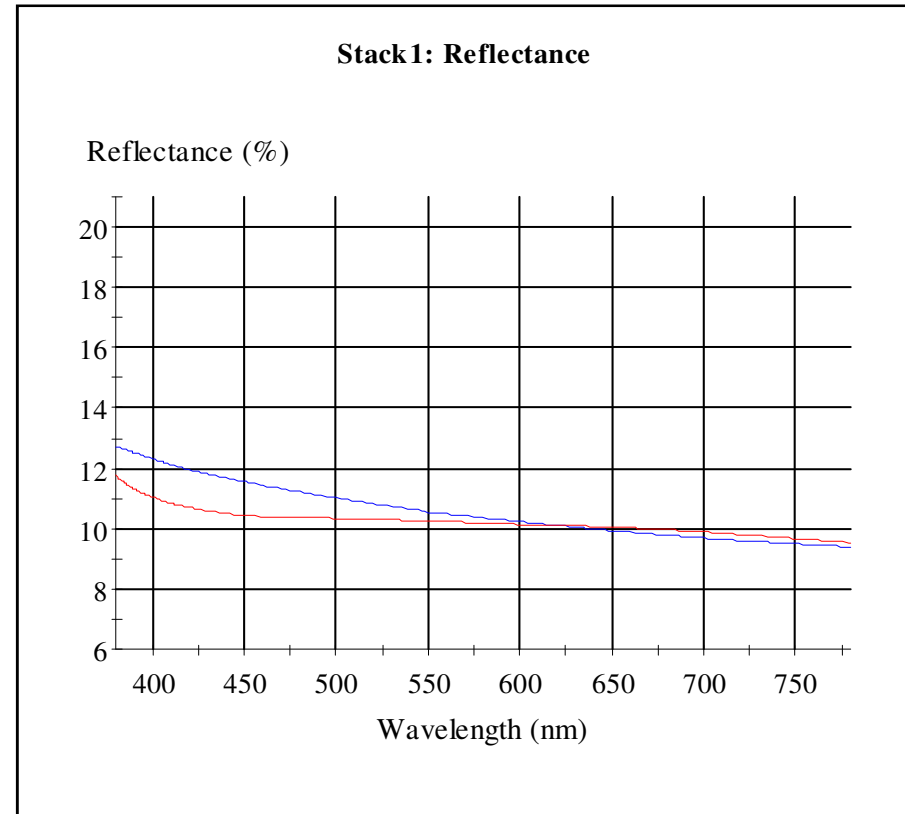
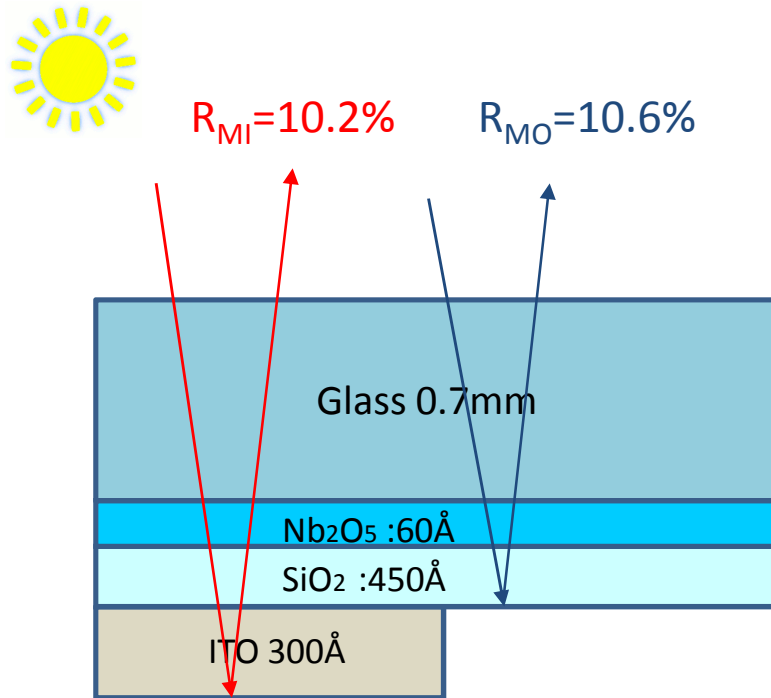


# R(%)- No Index Match ITO(300Å)



R : Average @ 380~780nm

# R(%)- Index Match ITO(300Å)



R : Average @ 380~780nm