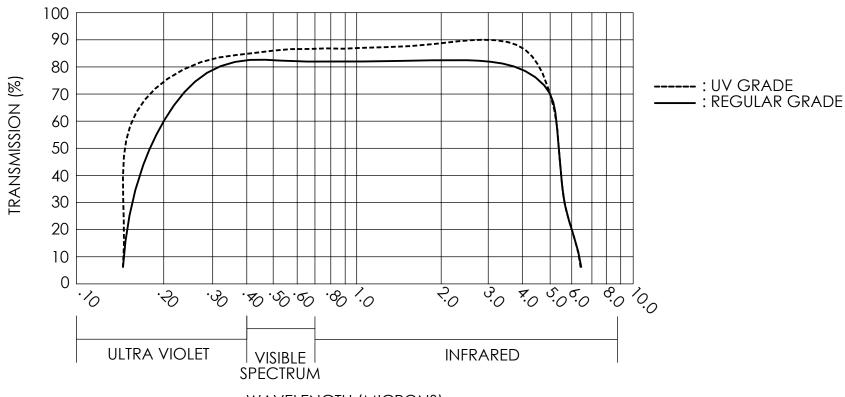


OPTICAL TRANSMISSION



WAVELENGTH (MICRONS) 0.15 MICRON = 1500A

THE SAPPHIRE TRANSMISSION CURVE IS BASED ON A THICKNESS OF 1 mm. FRESNEL REFLECTION LOSSES INCLUDED.

DATA IN THE UV REGION IS APPROXIMATE; TRANSMISSION DEPENDS ON SURFACE FINISH, INTERNAL QUALITY, AND PURITY OF THE SAPPHIRE.