



Photo Emission Tech., Inc.
 862 PARIOT DRIVE,# F, MOORPARK, CA 93021 USA
 Tel: (805) 482-5200 Fax: (805) 482-5252
 Email:sales@photoemission.com

SHORT PASS FILTERS SPECIFICATIONS

Part #	SPF-400	SPF-425	SPF-450	SPF-475	SPF-500	SPF-525	SPF-550	SPF-575	SPF-600	SPF-625
Angle Of Incidence:	0									
Coating:	Traditional Coated									
Cut-Off Tolerance (%):	±2									
Optical Density:	≥2.0									
Slope Factor (%):	±3									
Substrate:	UV Grade Fused Silica									
Surface Quality:	40-20									
Thickness Tolerance (mm):	±0.1									
Transmitted Wavefront, P-V:	λ/4									
Diameter (mm)	50									
Cut-Off Wavelength (nm)	400	425	450	475	500	525	550	575	600	625
Rejection Wavelength (nm)	420-485	445-510	470-545	495-570	520-610	545-635	575-725	600-750	625-795	650-820
Transmission (%):	>85									
Transmission Wavelength (nm):	250-385	250-410	250-430	250-455	250-480	250-505	400-530	400-555	400-580	400-605
Clear Aperture (%):	80									
Wavelength Range (nm):	250-485	250-545	250-545	250-570	250-610	250-635	400-725	400-750	400-795	400-820
Thickness (mm):	5									
RoHS:	Compliant									



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Part #	SPF-650	SPF-675	SPF-700	SPF-725	SPF-750	SPF-775	SPF-800	SPF-825	SPF-850	SPF-875
Angle Of Incidence:	0									
Coating:	Traditional Coated									
Cut-Off Tolerance (%):	±2									
Optical Density:	≥2.0									
Slope Factor (%):	±3									
Substrate:	UV Grade Fused Silica									
Surface Quality:	40-20									
Thickness Tolerance (mm):	±0.1									
Transmitted Wavefront, P-V:	λ/4									
Diameter (mm)	50									
Cut-Off Wavelength (nm)	650	675	700	725	750	775	800	825	850	875
Rejection Wavelength (nm)	675-850	700-875	725-900	750-925	800-990	825-1015	880-1050	880-1080	910-1110	935-1135
Transmission (%):	>85									
Transmission Wavelength (nm):	400-630	400-655	400-680	400-705	400-725	400-750	400-775	400-800	400-820	425-845
Clear Aperture (%):	80									
Wavelength Range (nm):	400-850	400-875	400-900	400-925	400-990	400-1015	400-1050	1400-1080	400-1110	425-1135
Thickness (mm):	5									
RoHS:	Compliant									



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Part #	SPF-900	SPF-925	SPF-950	SPF-975	SPF-1000	SPF-1025	SPF-1050	SPF-1075	SPF-1100	SPF-1125
Angle Of Incidence:	0									
Coating:	Traditional Coated									
Cut-Off Tolerance (%):	±2									
Optical Density:	≥2.0									
Slope Factor (%):	±3									
Substrate:	UV Grade Fused Silica									
Surface Quality:	40-20									
Thickness Tolerance (mm):	±0.1									
Transmittied Wavefront, P-V:	λ/4									
Diameter (mm)	50									
Cut-Off Wavelength (nm)	900	925	950	975	1000	1025	1050	1075	1100	1125
Rejection Wavelength (nm)	960-1170	990-1200	1025-1235	1050-1265	1085-1305	1110-1340	1130-1370	1160-1410	1180-1440	1210-1470
Transmission (%):	>85									
Transmission Wavelength (nm):	425-865	450-890	450-910	450-935	465-940	475-975	485-1000	500-1025	510-1050	525-1075
Clear Aperture (%):	80									
Wavelength Range (nm):	425-1170	450-1200	450-1235	450-1265	465-1305	475-1340	485-1370	500-1410	510-1440	525-1470
Thickness (mm):	5									
RoHS:	Compliant									



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SHORT PASS FILTER CURVES

