



REQUIREMENTS

SECTION LENGTH	2,137±10mm(84.13±0.39 inches)
SPECIFIED MECHANICAL LOAD	120 kN
ROUTINE TEST LOAD RATING	60 kN
END FITTINGS DESIGN	SOCKET & BALL(IEC 16mm)
SHEDS Q'TY	53 PCS
DRY ARCING DISTANCE	1,966mm(77.40 inches)
LEAKAGE DISTANCE	7,606mm(299.45 inches)
60 Hz DRY FLASHOVER	775 kV
60 Hz WET FLASHOVER	696 kV
CRITICAL FLASHOVER(POS)	1,237 kV
CRITICAL FLASHOVER(NEG)	1,298 kV
LIGHTNING WITHSTAND(POS)	1,140 kV
LIGHTNING WITHSTAND(NEG)	1,195 kV
WEIGHT	13.03 kg(28.73 lbs)
P1-P2	15 mm
S/P	1.08 (P1=65.5mm, P2=50.5mm, S=71mm, l=285.56)

NOTE:

1. END FITTINGS ARE MADE FROM CARBON STEEL CASTINGS AND GALVANIZED
2. FIBERGLASS ROD IS MADE FROM EPOXY RESIN.
3. THE DIA. OF FRP ROD IS 22mm(0.87inches) SOLID.
4. THE SOCKET AND BALL DESIGN IS ACCORDING TO IEC 16mm.
5. THE THICKNESS OF HOT DIP GALVANIZING SHALL BE 90 μm(MIN. AVE)
6. HARDWARE ENDS TO BE STAMPED WITH JULIAN DATE, SML 120kN, SCVL053-A6800, TEST 60kN

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DIMENSIONAL TOLERANCES UNLESS OTHERWISE NOTED

X	±0.1
XX	±0.02
XXX	±0.010
ANGLES	±1°

Designed by C.H.PARK	Date 05/26/11	Part Number SCVL053-A6811	Scale N/A
230kV SILICONE TRANSMISSION INSULATOR			
Filepath Q:\ENGINEERING\DRAWINGS\PART#\S\SCVL053-A6811		Units INCHES	Sheet 1/1

