Transys Electronics LIMITED

SD2000C(*)L Series

STANDARD RECOVERY DIODE

$I_{F(AV)}$ = 2100 A ,

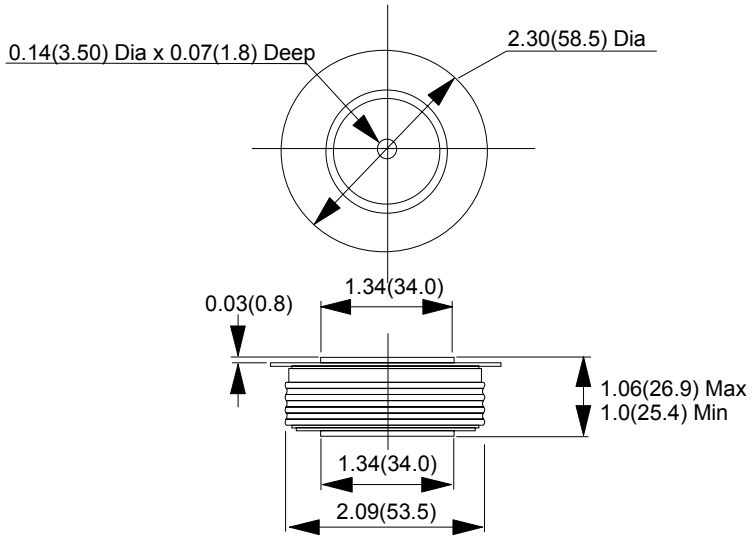


Case: B-Puk

MAXIMUM RATINGS (Tj = 25 °C unless stated otherwise)					
Parameter	Symbol	SD2000C 04L	SD2000C 08L	SD2000C 10L	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	400	800	1000	Volt
Maximum Average On-State Current	$I_{F(AV)}$	2100 at TC=55°C			Amp
Peak Forward Surge Current	I_{FSM}	25000			Amp
Maximum I^2T for Fusing	I^2T	2608			A^2/S
Maximum Storage Temperature Range	$T_{(STG)}$	-55 to +200			°C
Maximum Junction Temperature Range	Tj	-40 to +180			°C

ELECTRICAL CHARACTERISICS at 25 °C Maximum Unless Stated Otherwise			Value			Unit
Parameter	Symbol	Condition	Min	Typ	Max	
Maximum Forward Voltage	V_{FM}	I_{pk} = 6000 Amps			1.55	Volt
Repetitive Peak Off- State Current at TC=175°C	I_{RRM}	$V_R = V_{RRM}$			60.0	mA
Thermal Resistance (Junction toHeatsink)	$R_{TH\ (J\text{-}h)}$				0.073	°C/W
Mounting Torque	M_T				14700	NM
Weight	Wt				255	grms

Mechanical Dimensions



All Dimensions in Inches (Millimeters)
Third Angle Projection