

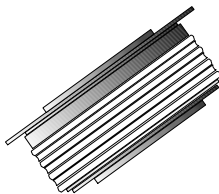


Transys
Electronics
LIMITED

SD1100C(*)L Series

STANDARD RECOVERY DIODE

$I_{F(AV)} = 1170 \text{ A}$,



Case: B-Puk

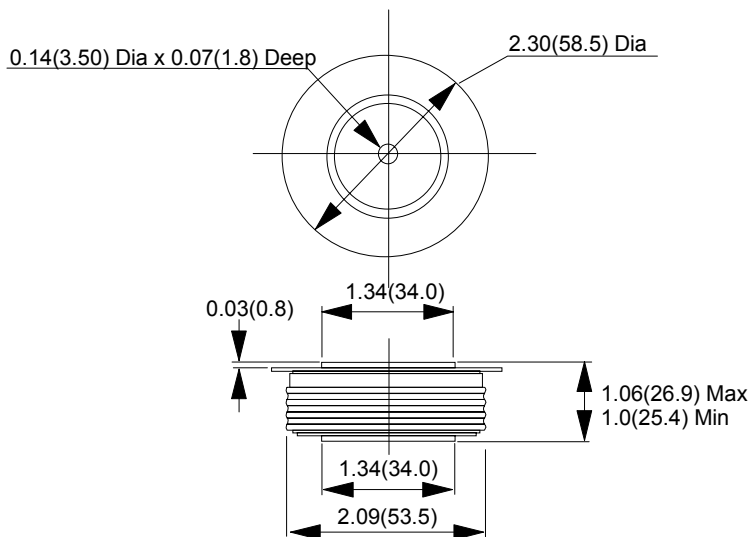
MAXIMUM RATINGS (T_j = 25 °C unless stated otherwise)

Parameter	Symbol	SD1100C 04L	SD1100C 08L	SD1100C 12L	SD1100C 16L	SD1100C 20L	SD1100C 25L	SD1100C 30L	SD1100C 32L	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400	800	1200	1600	2000	2500	3000	3200	Volt
Maximum Average On-State Current	I _{F(AV)}	1170 at TC=55°C					910 at TC=55°C			Amp
Peak Forward Surge Current	I _{FSM}	13600					11000			Amp
Maximum I ² T for Fusing	I ² T	772					503			A ² /S
Maximum Storage Temperature Range	T _(STG)	-55 to +200					-55 to +200			°C
Maximum Junction Temperature Range	T _j	-40 to +180					-40 to +150			°C

ELECTRICAL CHARACTERISTICS at 25 °C Maximum Unless Stated

Parameter	Symbol	Condition	Value			Unit
			Min	Typ	Max	
Maximum Forward Voltage	V _{FM}	I _{pk} = 1500 Amps 400-2000V			1.31	Volt
Maximum Forward Voltage	V _{FM}	I _{pk} = 1500 Amps 2500-3200V			1.44	Volt
Repetitive Peak Off- State Current at TC=175°C	I _{RRM}	V _R = V _{RRM}			15.0	mA
Thermal Resistance (Junction to Heatsink)	R _{TH (J-H)}				0.11	°C/W
Mounting Torque	M _T				9800	NM
Weight	Wt				250	grms

Mechanical Dimensions



All Dimensions in Inches (Millimeters)
Third Angle Projection