

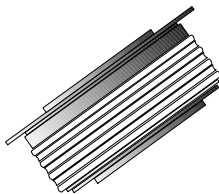


Transys
Electronics
LIMITED

SD1500C(*)L Series

STANDARD RECOVERY DIODE

$I_{F(AV)} = 1600 \text{ A}$,

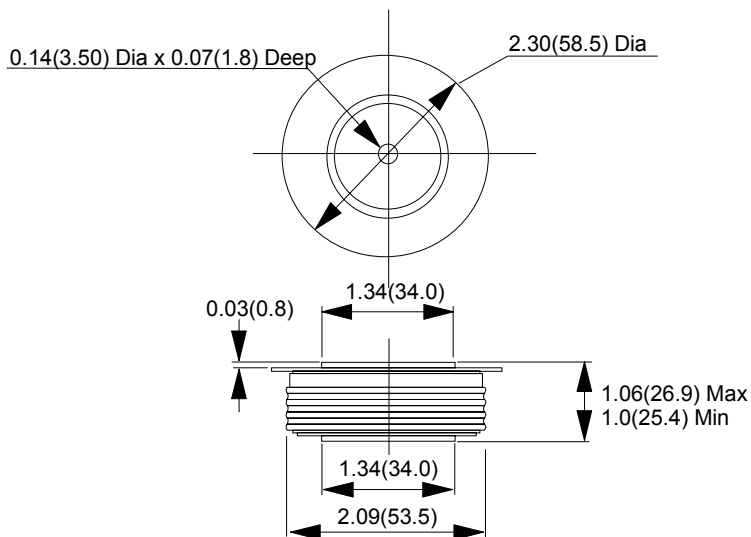


Case: B-Puk

MAXIMUM RATINGS (T _j = 25 °C unless stated otherwise)									
Parameter	Symbol	SD1500C 04L	SD1500C 08L	SD1500C 12L	SD1500C 16L	SD1500C 20L	SD1500C 25L	SD1500C 30L	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400	800	1200	1600	2000	2500	3000	Volt
Maximum Average On-State Current	I _{F(AV)}	1600 at TC=55°C							Amp
Peak Forward Surge Current	I _{FSM}	17400							Amp
Maximum I ² T for Fusing	I ² T	1265							A ² /S
Maximum Storage Temperature Range	T _(STG)	-55 to +200							°C
Maximum Junction Temperature Range	T _j	-40 to +180							°C

ELECTRICAL CHARACTERISICS at 25 °C Maximum Unless Stated				Value			Unit
Parameter	Symbol	Condition	Min	Typ	Max		
Maximum Forward Voltage	V _{FM}	I _{pk} = 3000 Amps			1.64	Volt	
Repetitive Peak Off- State Current at TC=175°C	I _{RRM}	V _R = V _{RRM}			50.0	mA	
Thermal Resistance (Junction toHeatsink)	R _{TH (J-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