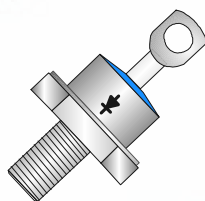




Transys
Electronics
LIMITED

70HFL Series

Super Fast Recovery Rectifier
 $V_{RRM} = 150-1000V$, $I_{F(AV)} = 70Amp$, $V_F = 1.85V$



Cathode to Stud Shown
(Anode to Stud add Suffix R)

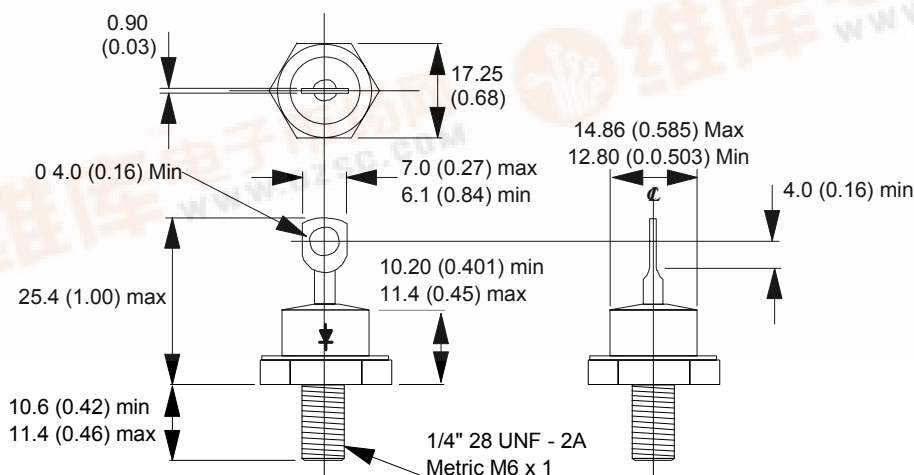
Symbol



MAXIMUM RATINGS (Tj = 25°C unless stated otherwise)								
Parameter	Symbol	70HFL (R)10 S02/5/10	70HFL (R)20 S02/5/10	70HFL (R)40 S02/5/10	70HFL (R)60 S02/5/10	70HFL (R)80 S02/5/10	70HFL (R)80 S02/5/10	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	Volt
Maximum Average On-State Current	$I_{F(AV)}$	70.0						Amp
Peak Forward Surge Current 8.3mS	I_{FSM}	730						Amp
Maximum I^2T for Fusing 8.3ms	I^2T	2240						A ² /S
Maximum Storage Temperature Range	$T_{(STG)}$	-40 to +125						°C
Maximum Junction Temperature Range	T_j	-40 to +150						°C

ELECTRICAL CHARACTERISTICS at Tj = 25°C Maximum. Unless stated Otherwise						
Parameter	Symbol	Condition	Value			Unit
			Min	Typ	Max	
Maximum Forward Voltage (1)	$V_{FM(1)}$	$I_{FM} = 70$ Amps			1.85	Volt
Repetitive Peak Off- State Current	I_{DRM}	$V_R = V_{RRM}$			100	μA
Reverse Recovery Time SO2	t_{RR}				60	nS
Reverse Recovery Time SO5	t_{RR}				150	nS
Reverse Recovery Time SO10	t_{RR}				290	nS
Thermal Resistance (Junction to Case)	$R_{TH (J-C)}$				0.36	°C/W
Mounting Torque	M_T				2.5	NM
Weight	Wt				25	grms

Mechanical Outline



Case: Metal/ Glass to Metal Seal