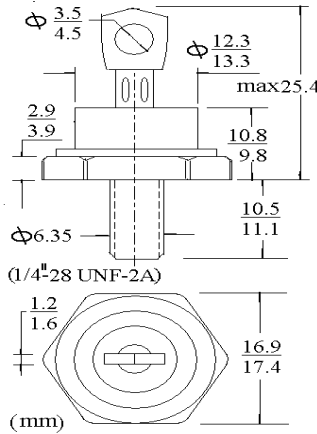


Description

Mechanical Dimensions

70T(R)10~160



DO-5

DIMENSION IN MM

FEATURES

- High Current Capability
- Designed For A Range Of Applications
- Meets UL Specification 94V-0
- Stud Cathode And Stud Anode Version
- Suffix R mean Cathode at Stud
- Applications : Battery Charges; Power suppliers; converters; Machine tool control

Maximum Ratings And Electrical Characteristics (Ta=25)

Parameters	symbol	70TRXX								
		10	20	40	60	80	100	120	140	160
Average forward current, Case @180 Conduction half Sine wave	IF(AV)	70A 140						70A 110		
IF Max RMS Forward Current DC@ Tc=25	IF	110A								
Peak Repetitive Reverse Voltage	VRRM	100	200	400	600	800	1000	1200	1400	1600
Peak Non-Repetitive Reverse Voltage	V RSM	200	300	500	720	960	1200	1440	1650	1900
MIN Avalanche Voltage	VR(BR)	---	---	500	725	950	1150	1350	1550	1750
Max Forward Voltage Drop @IF= 220A, tp=10mS Sinusoidal Wave	VF	1.3V								
Max Peak one Cycle Forward,Non-Repetitive Surge Current, @ R Sinusoidal Half Wave Intitial Tj=Tj Max	IFMS	-----1200A @ t=10mS no Voltage @ 50Hz----- -----1250A @ t=8.3mS Reapplied @ 60Hz----- -----1000A @ t=10mS 100%Voltage @ 50Hz---- -----1050A @ t=8.3mS Reapplied @ 60Hz-----								

IRRM Max @ Tj=Tj Max	IRRM	--15mA-- ----- 9mA ----- --- 4.5mA--
I _{2t} max I _{2t} for Fusing	I _{2t}	----- 7100A2S @ 10mS @ 50Hz----- ----- 6450A2S @ 8.3mS @ 60Hz ----- ----- 5000A2S @ 10mS @ 50Hz ----- ----- 4550A2S @ 8.3mS @ 60Hz -----
PR Max Non-Repetitive Peak reverse Power 2 10uS SQ pulse Tj =Tj Max	P _R	----- 20KW -----
Operating Temperature Range	Tj	----- -65 to +180 ----- -65 to +150

*Avalanche Version Only Available VRRM 400V to 1600V

