Data Sheet

50.0 AMPS **AUTOMOTIVE** STUD LEAD DIODE

Description

Mechanical Dimensions

50T(R)20~160



* Low cost
*Super cool *Long life
* High current capability

NOTE:
1.50TXXX - U→Positive(Forward),(+):Cathode To Case, Color Code RED.
2.50TRXXX - R→Negative(Reverse),(-):Anode To Case, Color Code BLACK.

CROSS-REFERENCE GUIDE			
RENARD	ACE	TRANSPO	WAI

PART NO.	UNIT	50T20 50TR20	50T40 50TR40	50T120 50TR120	50T160 50TR160
Average Forward Current, Io at Tc=150℃ 60HZ, Resistive Or Inductive Load	A(DC)	50			
Peak Reverse Voltage, Repetitive:VRRM	VPK	200	400	1200	1600
DC Reverse Voltage, VR	V(DC)	200	400	1200	1600
Maximum RMS Voltage	VRMS	140	280	700	920
Max. Inst forward Voltage Drop. VF at 100Amp	V(DC)	1.18	1.18	1.5	1.70
Peak Forward Surge Current, IFM(surge): 8.3ms. Single Half Sine-Wave Superimposed On Rated Load (JEDEC method)	APK	600			
Maximum Reverse Current IR At Rated DC Reverse Voltage. TC= 25℃	μA	10			
Maximum Reverse Current IR At Rated DC Reverse Voltage. TC=100℃	μA	500			
Maximum Thermal Resistance, Junction To Case (single side cooled)	℃/W	0.7			
Operating And Storage Temperature Range	℃	-45 - 175	-45 - 175	-45 - 160	-45 - 150