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### **HTZ170C Series**

 $I_{F(AV)} = 10 A$ 

V<sub>RRM</sub> = 2800 V

## High Voltage Diode Rectifier Module

# **LARONTROL**Electronic Devices

Type Number	Repetitive Peak	Minimum Avalanche Voltage V <sub>(BR)R</sub>			
HTZ170C2.8K HTZ170C2.4K HTZ170C2K	2800 2400 2000	3000 2600 2200	ON CONTRACT		
CIRCUIT DIAGRA	•	rre Tap			
CURRENT RATINGS - AIR COOLED  I <sub>F(AV)</sub> Mean forward current I <sub>F</sub> Continuous (direct) forward current R <sub>th(j-a)</sub> Thermal resistance junction to ambient			Half wave resistive load $T_{amb} = 35^{\circ}C$ $T_{amb} = 35^{\circ}C$	10 10.8 7	A A °C/W
$\begin{array}{ll} \textbf{CURRENT RATINGS - OIL COOLED} \\ \textbf{I}_{\textbf{F}(AV)} & \text{Mean forward current} \\ \textbf{I}_{\textbf{T}} & \text{Continuous (direct) forward current} \\ \textbf{R}_{\textbf{th}(\textbf{j-o})} & \text{Thermal resistance junction to oil} \end{array}$			Half wave resistive load $T_{oil} = 60$ °C $T_{oil} = 60$ °C	21.5 23.5 2.5	A A °C/W
SURGE RATIN	GS				
	for fusing rge (non-repetitive)	forward current	10 ms half sine $T_{vj}$ = 150°C $T_{vj}$ = 150°C	5000 1000	A²sec A
TEMPERATUR	E AND FREQUEN	CY RATINGS			
T <sub>stg</sub> Sto	rtual junction temperature rorage temperature range requency range		Forward (conducting) Reverse (blocking)	180 180 -40 to 100 20 to 400	°C °C Hz
			e stated At 40 Amps peak At V <sub>RRM</sub> ; T <sub>case</sub> = 150°C	max 1.9 max 0.5	V mA
Dimensioned Outlines Dimensions shown are maximum in mm		115 90 45 45	max 0.3	IIIA	
Weight typ.: 0,28 Kg			TAPPED M5, 3 OFF MOUNTING BUSHES TAPPED M5, 2 OFF		

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### High Voltage Diode Rectifier Module

## **LARONTROL**

### **Electronic Devices**







