

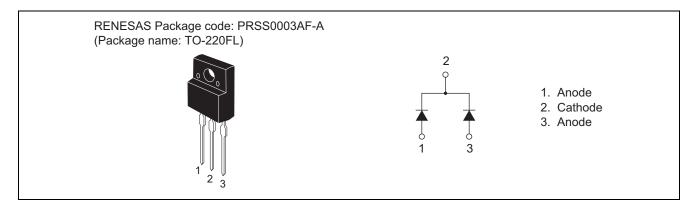
# RJU6053WDPP-M0

600V – 20A - Dual Diode Ultra Fast Recovery Diode R07DS1273EJ0100 Rev.1.00 Jun 16, 2015

#### **Features**

- Ultra fast reverse recovery time:  $t_{rr} = 25$  ns typ. (at  $I_F = 20$  A, di/dt = 100 A/ $\mu$ s) Per Leg
- Low forward voltage:  $V_F = 2.5 \text{ V}$  typ. (at  $I_F = 20 \text{ A}$ ) Per Leg
- Low reverse current:  $I_R = 1 \mu A \text{ max.}$  (at  $V_R = 600 \text{ V}$ ) Per Leg

#### **Outline**



#### **Absolute Maximum Ratings**

 $(Ta = 25^{\circ}C)$ 

Item		Symbol	Ratings	Unit
Maximum reverse voltage		V <sub>RM</sub>	600	V
Continuous forward current	Tc = 25°C	I <sub>F</sub> Note1	20/40	А
	Tc = 100°C		10/20	А
Peak surge forward current		I <sub>FSM</sub> Note1	60/120	А
Junction to case thermal resis	tance	θj-cd <sup>Note3</sup>	3.7	°C/W
Junction temperature		Tj	150	°C
Storage temperature		Tstg	-55 to +150	°C

Notes: 1. Per leg/device

3. device

#### **Electrical Characteristics**

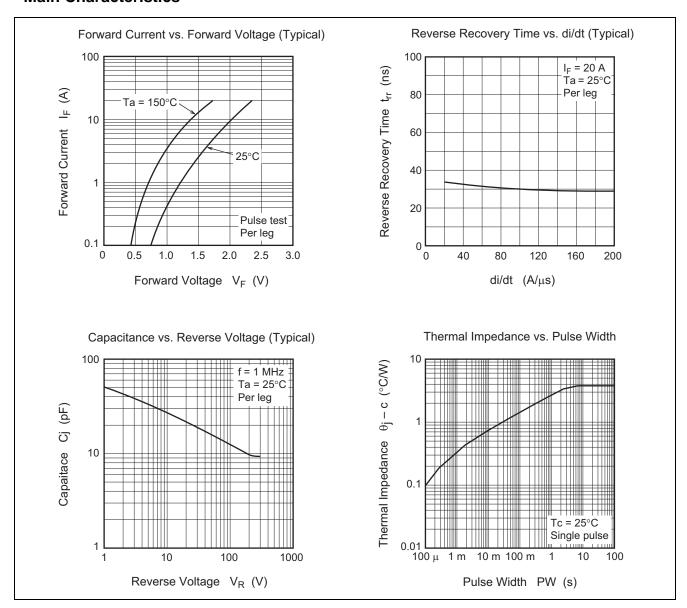
 $(Ta = 25^{\circ}C)$ 

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward Voltage	V <sub>F</sub> Note2		2.5	3.0	V	I <sub>F</sub> = 20 A
Reverse current	I <sub>R</sub> Note1	_	_	1/2	μΑ	V <sub>R</sub> = 600 V
Reverse Recovery Time	t <sub>rr</sub> Note2		25	_	ns	$I_F = 20 \text{ A}, \text{ di/dt} = 100 \text{ A/}\mu\text{s}$

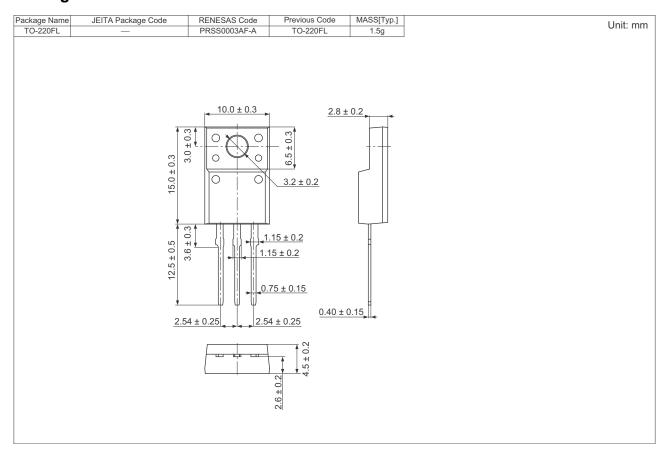
Notes: 1. Per leg/device

2. Per leg

### **Main Characteristics**



### **Package Dimensions**



## **Ordering Information**

Orderable Part Number	Quantity	Shipping Container
RJU6053WDPP-M0#T2	600 pcs	Box (Tube)

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