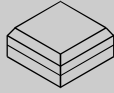


**D60FF06 D60U06
D60FF08 D60U08
D60U10**

**600 V - 1,000 V Rectifiers
0.80 A Forward Current
30 ns - 70 ns Recovery Time**



ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number | Working Reverse Voltage (V _{rw}) | Average Rectified Current (I _o) | | Reverse Current @ V _{rw} (I _r) | | Forward Voltage (V _f) | | 1 Cycle Surge Current tp=8.3ms (I _{fsm}) | Repetitive Surge Current (I _{frm}) | Reverse Recovery Time (3) (T _{rr}) | Thermal Impd. θ_{J-C} | Junction Cap. @50VDC @1kHz (C _j) |
|----------------------------|---|--|----------------------|--|----------------|--------------------------------------|----------------------|--|---|--|---------------------------------|---|
| | | 55°C(1) | 100°C(2) | 25°C | 100°C | 25°C | 25°C | 25°C | 25°C | 25°C | 25°C | 25°C |
| | Volts | Amps | Amps | μ A | μ A | Volts | Amps | Amps | Amps | ns | °C/ W | pF |
| D60FF06 D60FF08 | 600 800 | 0.80 0.80 | 0.40 0.40 | 1.0 1.0 | 20 20 | 3.0 3.5 | 0.40 0.40 | 12 12 | 2.0 2.0 | 30 30 | 2 2 | 16 16 |
| D60U06 D60U08 D60U10 | 600 800 1000 | 0.80 0.80 0.80 | 0.40 0.40 0.40 | 1.0 1.0 1.0 | 20 20 20 | 1.7 1.7 1.7 | 0.40 0.40 0.40 | 12 12 12 | 2.0 2.0 2.0 | 70 70 70 | 2 2 2 | 16 16 16 |

(1) TC=55°C (2)TC=100°C (3)I_f=125mA, I_r=250mA, I_{rr}=63mA *Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

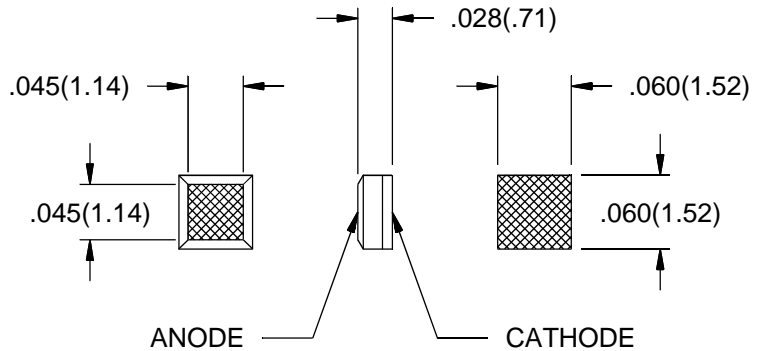
Plating:

Option 1:

50µin gold over 50µin nickel.

Option 2:

50µin silver over 50µin nickel.



Scale: 6 : 1

Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



VOLTAGE MULTIPLIERS INC.
8711 W. Roosevelt Ave.
Visalia, CA 93291

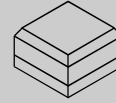
TEL 559-651-1402
FAX 559-651-0740
www.voltagemultipliers.com

1,000 V - 1,800 V Rectifiers

0.40 A Forward Current

30 ns - 70 ns Recovery Time

D60FF10R
D60FF18R
D60U18R



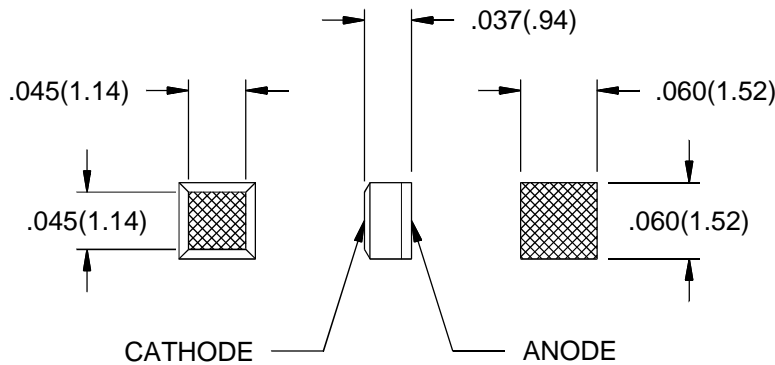
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number | Working Reverse Voltage (V _{rwm}) | Average Rectified Current (I _o) | | Reverse Current @ V _{rwm} (I _r) | | Forward Voltage (V _f) | | 1 Cycle Surge Current t _p =8.3ms (I _{fsm}) | Repetitive Surge Current (I _{frm}) | Reverse Recovery Time (3) (T _{rr}) | Thermal Impd. θ _{J-C} | Junction Cap. @50VDC @1kHz (C _j) |
|-------------|--|--|----------|---|-------|--------------------------------------|------|---|---|--|-----------------------------------|---|
| | | 55°C(1) | 100°C(2) | 25°C | 100°C | 25°C | 25°C | 25°C | 25°C | 25°C | 25°C | 25°C |
| | Volts | Amps | Amps | µA | µA | Volts | Amps | Amps | Amps | ns | °C/ W | pF |
| D60FF10R | 1000 | 0.40 | 0.20 | 1.0 | 20 | 4.5 | 0.20 | 8 | 1.5 | 30 | 2.5 | 8 |
| D60FF18R | 1800 | 0.40 | 0.20 | 1.0 | 20 | 4.5 | 0.20 | 8 | 1.5 | 30 | 2.5 | 8 |
| D60U18R | 1800 | 0.40 | 0.20 | 1.0 | 20 | 3.0 | 0.20 | 8 | 1.5 | 70 | 2.5 | 8 |

(1) TC=55°C (2)TC=100°C (3)I_f=125mA, I_r=250mA, I_{rr}=63mA *Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

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Plating:
 Option 1:
 50µin gold over 50µin nickel.
 Option 2:
 50µin silver over 50µin nickel.



Scale: 6 : 1



Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



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