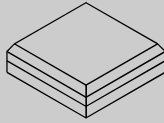


**D90U06 - D90U10
D90S06 - D90S10**

**600 V - 1,000 V Rectifiers
4.0 A Forward Current
70 ns - 3000 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	µA	µA	Volts	Amps	Amps	Amps	ns	°C/ W	pF
D90U06	600	4.0	2.0	1.0	25	1.7	3.0	40	10	70	0.8	40
D90U08	800	4.0	2.0	1.0	25	1.7	3.0	40	10	70	0.8	40
D90U10	1000	4.0	2.0	1.0	25	1.7	3.0	40	10	70	0.8	40
D90S06	600	4.0	2.0	1.0	25	1.3	3.0	40	10	3000	0.8	40
D90S08	800	4.0	2.0	1.0	25	1.3	3.0	40	10	3000	0.8	40
D90S10	1000	4.0	2.0	1.0	25	1.3	3.0	40	10	3000	0.8	40

(1) TC=55°C (2)TC=100°C (3)I_f=0.5A, I_r=1.0A, I_{rr}=0.25A *Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

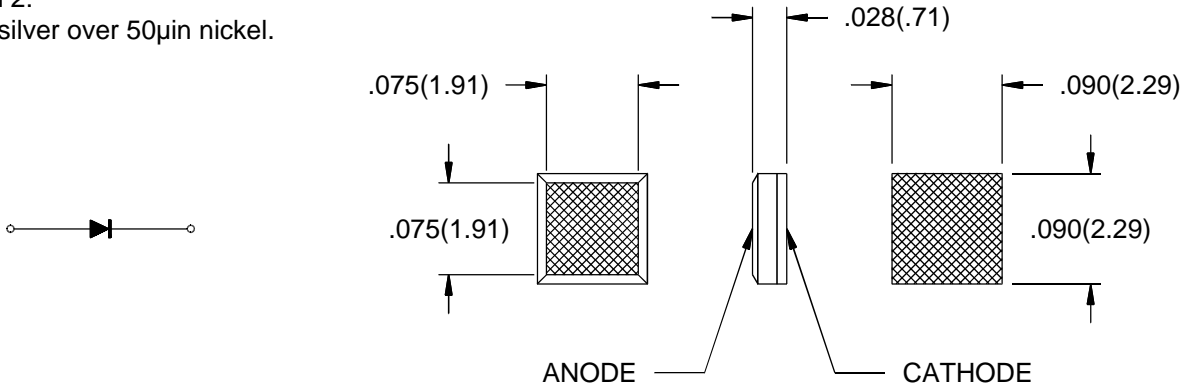
Plating:

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.

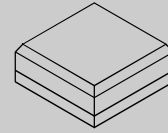


VOLTAGE MULTIPLIERS INC.
8711 W. Roosevelt Ave.
Visalia, CA 93291

TEL 559-651-1402
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www.voltagemultipliers.com

1,800 V Rectifiers
2.0 A Forward Current
70 ns - 3000 ns Recovery Time

D90U18R
D90S18R



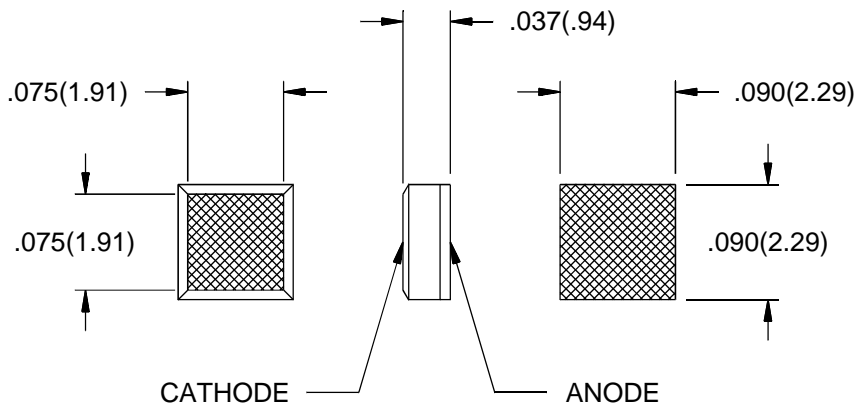
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V _{rrm})	Average Rectified Current (I _o)		Reverse Current @ V _{rrm} (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					
	Volts	Amps	Amps	μA	μA	Volts	Amps	Amps	Amps	ns	°C/ W	pF
D90U18R	1800	2.0	1.0	1.0	25	3.6	0.50	20	5	70	0.8	20
D90S18R	1800	2.0	1.0	1.0	25	2.6	1.5	20	5	3000	0.8	20

(1) TC=55°C (2)TC=100°C (3)I_f=0.5A, I_r=1.0A, I_{rr}=0.25A *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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