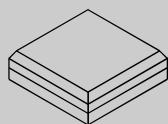


**D90U06 - D90U10
D90S06 - D90S10**

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	Average Rectified Current		Reverse Current @ Vrwm		Forward Voltage		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impd. θ_{J-C}	Junction Cap. @50VDC @1kHz (Cj)
	(Vrwm)	(Io)		(Ir)		(Vf)						
	Volts	55°C(1) Amps	100°C(2) Amps	25°C μ A	100°C μ A	25°C Volts	25°C Amps	25°C Amps	25°C Amps	25°C ns	25°C °C / W	25°C 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)If=0.5A, Ir=1.0A, Irr=0.25A *Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

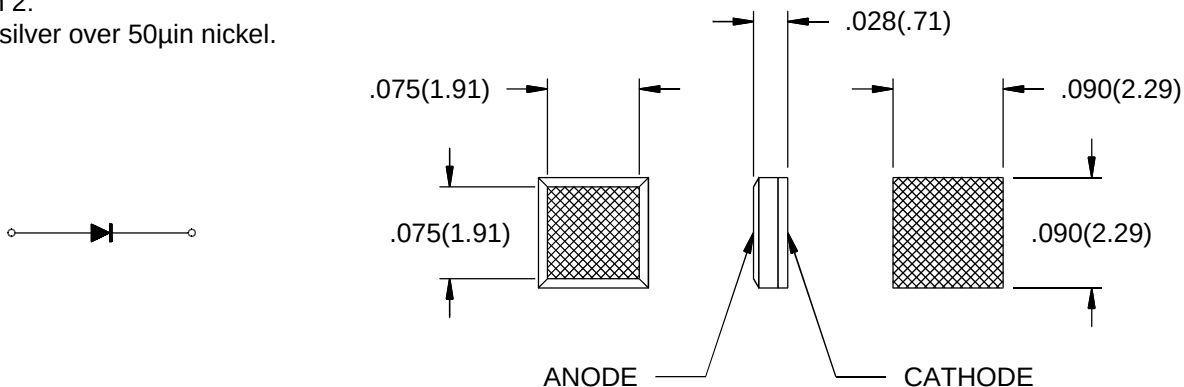
Plating:

Option 1:

50 μ in gold over 50 μ in nickel.

Option 2:

50 μ in silver over 50 μ in 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

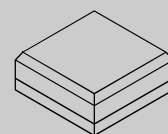
TEL 559-651-1402
FAX 559-651-0740
www.voltagemultipliers.com

1,800 V Rectifiers

2.0 A Forward Current

70 ns - 3000 ns Recovery Time

D90U18R
D90S18R

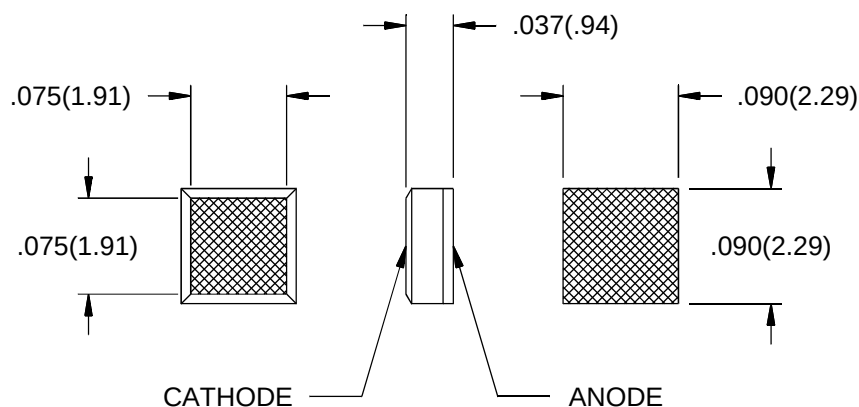


ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ V _{rw}		Forward Voltage		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)
	(V _{rw})	(I _o)		(I _r)		(V _f)						
		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
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

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



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



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