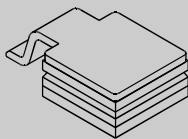


SD90FF06 - SD90FF08 600 V - 1,000 V Rectifiers

SD90F06 - SD90F10 2.0 A Forward Current

30 ns - 50 ns Recovery Time

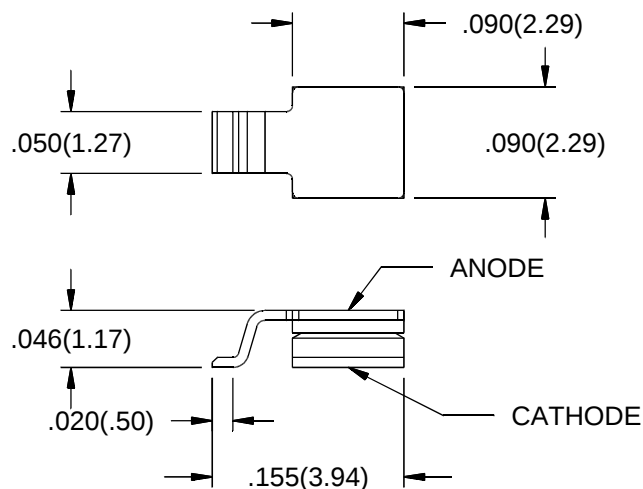
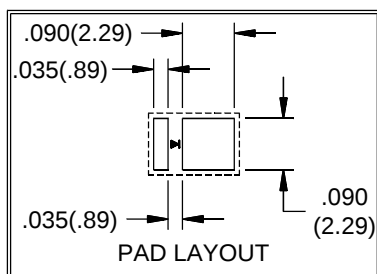


ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

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 μA	100°C μA	25°C Volts	25°C Amps	25°C Amps	25°C Amps	25°C ns	25°C °C/ W	25°C pF
SD90FF06	600	2.0	1.0	1.0	25	3.0	1.0	30	5	30	0.8	40
SD90FF08	800	2.0	1.0	1.0	25	3.5	1.0	30	5	30	0.8	40
SD90F06	600	2.0	1.0	1.0	25	2.5	1.0	30	5	50	0.8	40
SD90F08	800	2.0	1.0	1.0	25	3.0	1.0	30	5	50	0.8	40
SD90F10	1000	2.0	1.0	1.0	25	3.0	1.0	30	5	50	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:
Cathode:
50μin silver over 50μin nickel.
Anode Strap:
300μin fused tin lead 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

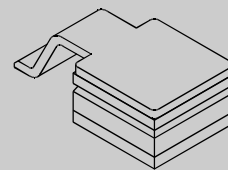
1.0 A Forward Current

30 ns - 50 ns Recovery Time

SD90FF10R

SD90FF18R

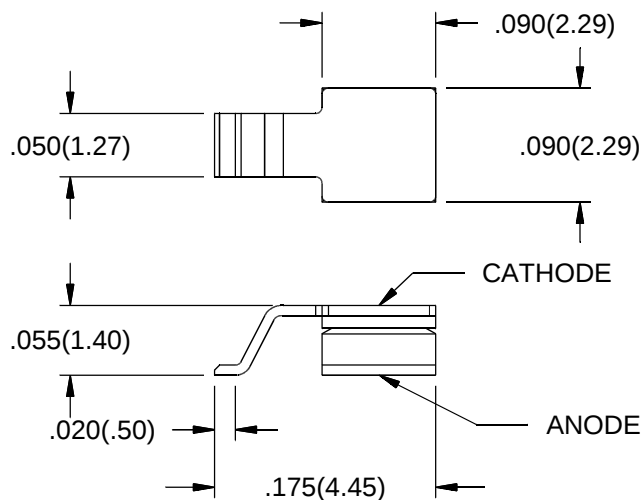
SD90F18R



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)		25°C	25°C	25°C	25°C	25°C
	Volts	55°C(1) Amps	100°C(2) Amps	25°C μA	100°C μA	25°C Volts	25°C Amps	Amps	Amps	ns	°C/ W	pF
SD90FF10R	1000	1.0	0.75	1.0	25	4.0	0.75	20	4	30	0.8	20
SD90FF18R	1800	1.0	0.75	1.0	25	4.0	0.50	20	4	30	0.8	20
SD90F18R	1800	1.0	0.75	1.0	25	4.0	0.50	20	4	50	0.8	20

(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



Scale: 6 : 1

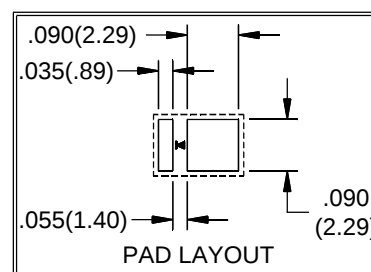
Plating:

Anode:

50 μ in silver over 50 μ in nickel.

Cathode Strap:

300 μ in fused tin lead over 50 μ in nickel.



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



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