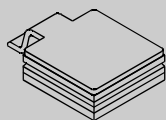


**SD125FF06
SD125FF08
SD125F06 - SD125F10**

600 V - 1,000 V Rectifiers
3.0 A - 4.0 A Forward Current
30 ns - 50 ns Recovery Time

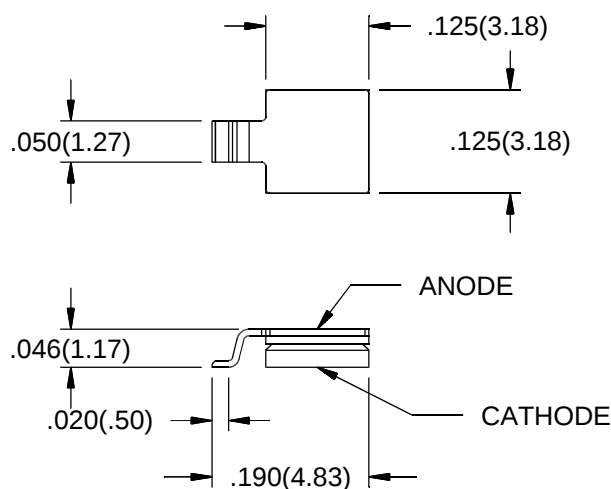
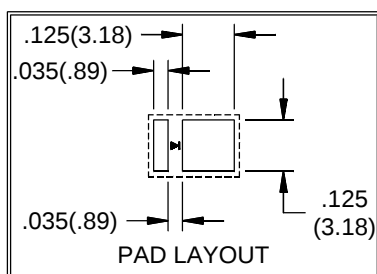


ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (Vrwm)	Average Rectified Current (Io)		Reverse Current @ Vrwm (Ir)		Forward Voltage (Vf)		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)
		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
SD125FF06	600	3.0	1.5	1.0	50	5.0	2.0	50	10	30	0.40	100
SD125FF08	800	3.0	1.5	1.0	50	5.0	2.0	50	10	30	0.40	100
SD125F06	600	4.0	2.0	1.0	50	3.0	2.0	50	10	50	0.40	100
SD125F08	800	4.0	2.0	1.0	50	3.0	2.0	50	10	50	0.40	100
SD125F10	1000	4.0	2.0	1.0	50	3.0	2.0	50	10	50	0.40	100

(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: 4 : 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

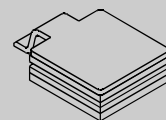
600 V - 1,000 V Rectifiers

5.0 A Forward Current

70 ns - 3000 ns Recovery Time

SD125U06 - SD125U10

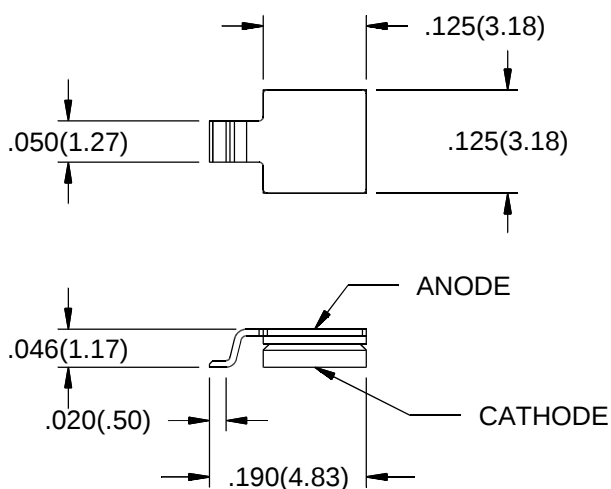
SD125S06 - SD125S10



ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

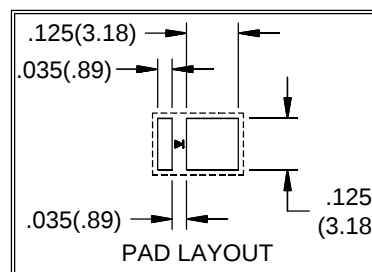
Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ Vrwm		Forward Voltage		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impd. θ_{J-C}	Junction Cap. @50VDC @1kHz (Cj)
	(Vrwm)	(Io)		(Ir)		(Vf)						
	Volts	55°C(1) 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
SD125U06	600	5.0	2.5	1.0	50	1.7	3.0	100	20	70	0.40	100
SD125U08	800	5.0	2.5	1.0	50	1.7	3.0	100	20	70	0.40	100
SD125U10	1000	5.0	2.5	1.0	50	1.7	3.0	100	20	70	0.40	100
SD125S06	600	5.0	2.5	1.0	50	1.2	5.0	100	20	3000	0.40	100
SD125S08	800	5.0	2.5	1.0	50	1.3	5.0	100	20	3000	0.40	100
SD125S10	1000	5.0	2.5	1.0	50	1.3	5.0	100	20	3000	0.40	100

(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: 4 : 1

Plating:
Cathode:
50 μ in silver over 50 μ in nickel.
Anode 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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