

1,800 V Rectifiers

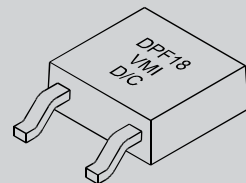
1.00 A - 2.00 A Forward Current

50 ns - 3000 ns Recovery Time

DP90F18

DP90U18

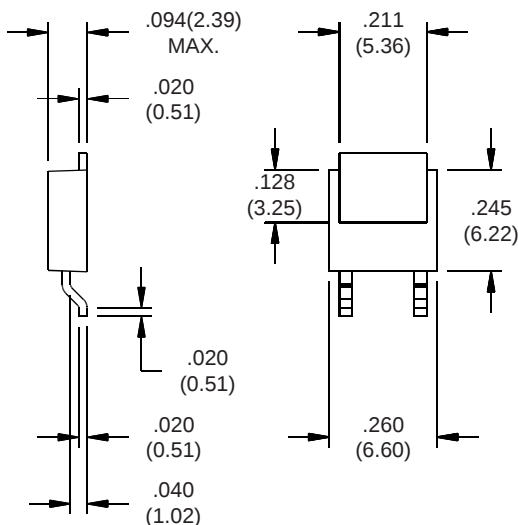
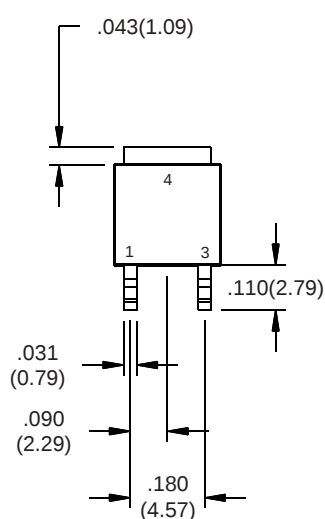
DP90S18



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 t _p =8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impd. θ_{J-L}	Junction Cap. @50VDC @1kHz (C _j)	Markings
		55°C(1)	100°C(2)	25°C	100°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C	
		Amps	Amps	μA	μA	Volts	Amps	Amps	Amps	ns	°C / W	pF	
DP90F18	1800	1.0	0.75	1.0	25	5.5	1.0	40	4	50	0.8	20	DPF18
DP90U18	1800	2.0	1.0	1.0	25	4.5	2.0	40	5	70	0.8	20	DPU18
DP90S18	1800	2.0	1.0	1.0	25	4.0	2.0	40	5	3000	0.8	20	DPS18

(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



STYLE 1:
PIN 1. ANODE
3. CATHODE
4. ANODE



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



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