

Rectifier Die - D40 Series

50mA - 100mA • 30ns - 70ns • Hermetic

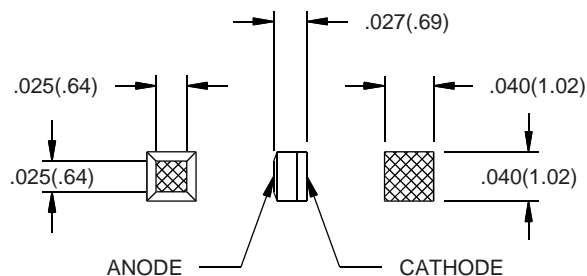
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS												
Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ V _{rw}		Forward Voltage		1 Cycle Surge Current tp=8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impd. θ_{J-C}	Junction Cap. @50VDC @1kHz (C _j)
	(V _{rw})	(I _o)		(I _r)		(V _f)						
	Volts	55°C(1)	100°C(2)	25°C	100°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C
		mA	mA	μA	μA	Volts	mA	Amps	Amps	ns	°C / W	pF
D40FF08 D40FF10R	800 1000	100 100	50 50	0.25 0.25	10 10	6.0 6.0	100 100	2.0 2.0	0.5 0.5	30 30	6 6	10 10
D40U08 D40U10	800 1000	100 100	50 50	0.25 0.25	10 10	4.0 4.0	100 100	2.0 2.0	0.5 0.5	70 70	6 6	10 10
D40FF18R D40U18R	1800 1800	50 50	25 25	0.25 0.25	10 10	12.0 8.0	100 100	1.0 1.0	0.2 0.2	30 70	10 10	5 5

(1)TC=55°C (2)TC=100°C (3)I_f=125mA, I_r=250mA, I_{rr}=63mA *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.



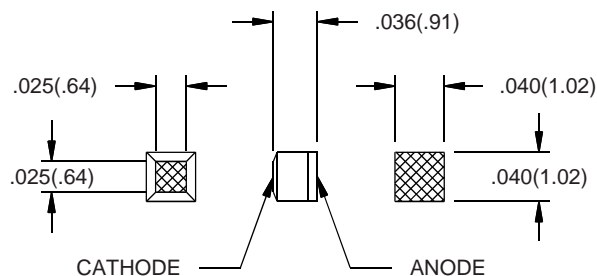
D40 Die



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



D40 Die (R Suffix)



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



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