

600 V - 1,000 V Rectifiers
0.5 A - 1.0 A Forward Current
30 ns - 50 ns Recovery Time

X06FF3 X10FF3
X06FF5 X10FF5

AXIAL LEADED
HERMETICALLY SEALED

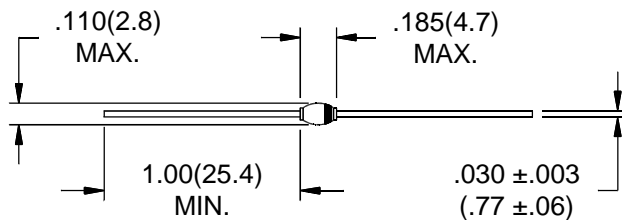


3

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 Impedance θ_{J-L}			Junction Cap. @50VDC @ 1kHz (Cj)
		55°C(1)	100°C(2)	25°C	100°C	25°C					25°C	25°C	25°C	
	Volts	Amps	Amps	μ A	μ A	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
X06FF3 X10FF3	600 1000	0.60 0.50	0.30 0.25	1.0 1.0	20 20	3.0 5.0	0.75 0.75	16.0 12.0	3.0 2.0	30 30	18 18	38 38	45 45	16 16
X06FF5 X10FF5	600 1000	1.00 0.80	0.50 0.40	1.0 1.0	20 20	2.0 2.2	0.75 0.75	16.0 12.0	3.0 2.0	50 50	18 18	38 38	45 45	16 16

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)If=0.5A, Ir=1.0A, Irr=0.25A • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



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



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X06FF3 X10FF3 X06FF5 X10FF5

