

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

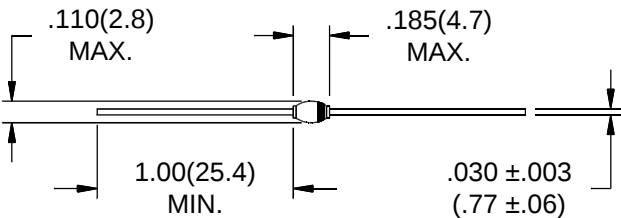


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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ V _{rwm}		Forward Voltage		1 Cycle Surge Current t _p =8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impedance			Junction Cap. @50VDC @ 1kHz (C _j)
	(V _{rwm})	(I _o)		(I _r)		(V _f)					θ _{J-L}			
		55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	L=.125	L=.375	L=.500	25°C
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
X06FF3 X10FF3	600	0.60	0.30	1.0	20	3.0	0.75	16.0	3.0	30	18	38	45	16
	1000	0.50	0.25	1.0	20	5.0	0.75	12.0	2.0	30	18	38	45	16
X06FF5 X10FF5	600	1.00	0.50	1.0	20	2.0	0.75	16.0	3.0	50	18	38	45	16
	1000	0.80	0.40	1.0	20	2.2	0.75	12.0	2.0	50	18	38	45	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

