

2,000 V - 5,000 V Rectifiers

0.15 A - 0.50 A Forward Current

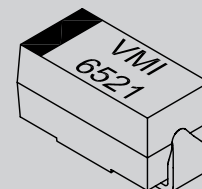
70 ns Recovery Time

SXF6521

SXF6523

SXF6525

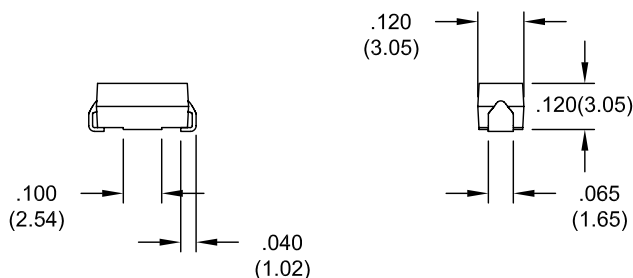
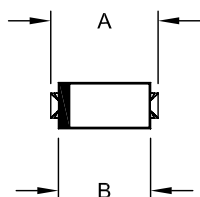
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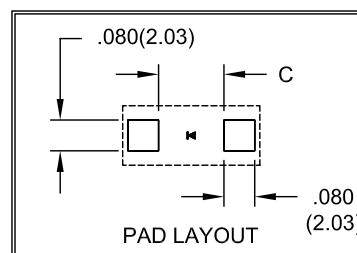
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ Vrwm		Forward Voltage		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifm)	Reverse Recovery Time (3) (Trr)	Thermal Impd. θ_{J-C}	Junction Cap. @50VDC @1kHz (Cj)
	(Vrwm)	(Io)		(Ir)		(Vf)		25°C	25°C	25°C	25°C	25°C
	Volts	55°C(1) Amps	100°C(2) Amps	25°C μ A	100°C μ A	25°C Volts	25°C Amps	Amps	Amps	ns	°C / W	pF
SXF6521	2000	0.500	0.250	0.5	20	3.0	0.500	25	5.00	70	7	8.0
SXF6523	3000	0.250	0.125	0.5	20	5.0	0.250	15	3.00	70	7	4.0
SXF6525	5000	0.150	0.075	0.5	20	7.0	0.150	10	2.00	70	7	3.0

(1) TC=55°C (2)TC=100°C (3)If=125mA, Ir=250mA, Irr=63mA *Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C



Part	A	B	C
SXF6521	.240 ±.010 (6.10 ±.25)	.200 ±.005 (5.08 ±.13)	.130(3.30)
SXF6523 SXF6525	.280 ±.010 (7.11 ±.25)	.240 ±.005 (6.10 ±.13)	.170(4.32)



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



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