



Solid State Devices, Inc.

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SSR6010M
SSR6010Z

ELECTRICAL CHARACTERISTICS (per leg) ^{3/}		Symbol	Min	Typ	Max	Units
Instantaneous Forward Voltage Drop (T _A =25°C, 300μsec pulse)	I _F = 30 A	V _{F1}	-	0.65	0.8	V _{DC}
	I _F = 60 A	V _{F2}	-	0.85	1.1	
Instantaneous Forward Voltage Drop (T _A = 125°C, 300μsec pulse)	I _F = 30 A	V _{F3}	-	0.60	0.75	V _{DC}
	I _F = 60 A	V _{F4}	-	0.75	1.00	
Instantaneous Forward Voltage Drop (T _A = -55°C, 300μsec pulse)	I _F = 30 A	V _{F5}	-	0.70	0.90	V _{DC}
	I _F = 60 A	V _{F6}	-	0.88	-	
Reverse Leakage Current (Rated V _R , T _A = 25°C, 300μsec pulse minimum)		I _{R1}	-	20	100	uA
Reverse Leakage Current (Rated V _R , T _A = 100°C, 300μsec pulse minimum)		I _{R2}	-	6	-	mA
Reverse Leakage Current (Rated V _R , T _A = 125°C, 300μsec pulse minimum)		I _{R3}	-	20	30	mA
Junction Capacitance (V _R = 5V, f = 1MHz, T _A = 25°C)		C _J		2800	3500	pF

