



SCHOTTKY BARRIER RECTIFIERS

T-03-01
T-23-01

MASTER INSTRUMENT

56E D ■ 5850561 0000136 479 ■ MST

OPERATING TEMPERATURE RANGE

0V to 45V: -65°C to +125°C

0V to 80V: -65°C to +150°C

STORAGE TEMPERATURE -65°C to +150°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60 Hz		Maximum Forward Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @ PRV @ 25°C T _A	Maximum Forward Voltage @ 25°C T _A	
	PRV	I _o @ T _L *		I _{FM} (Surge)	I _R @ T _C	I _{FM}	V _{FM}
	V _{PK}	A _{AV}	°C	A _{PK}	mAdc	A _{PK}	V _{PK}



10 AMPERES-SCHOTTKY/TO-220A

SR1020	20	10	135	150	0.1	25	20	0.84
SR1030	30	10	135	150	0.1	25	20	0.84
SR1035	35	10	135	150	0.1	25	20	0.84
SR1040	40	10	135	150	0.1	25	20	0.84
SR1045	45	10	135	150	0.1	25	20	0.84
SR1050	50	10	135	150	0.1	25	20	0.84
SR1060	60	10	135	150	0.1	25	20	0.84

NOTE: Suffix "R" for Reverse Polarity



16 AMPERES-SCHOTTKY/TO-220

SR1620	20	16	90	250	10	25	8.0	0.65
SR1630	30	16	90	250	10	25	8.0	0.65
SR1635	35	16	90	250	10	25	8.0	0.65
SR1640	40	16	90	250	10	25	8.0	0.65
SR1645	45	16	90	250	10	25	8.0	0.65
SR1650	50	16	115	250	10	25	8.0	0.75
SR1660	60	16	115	250	10	25	8.0	0.75

NOTE: Suffix "C" = Common Cathode, "A" = Common Anode, "D" = Doubler Connection



30 AMPERES-SCHOTTKY/TO-3P

SR3020	20	30	75	300	10	25	15	0.65
SR3030	30	30	75	300	10	25	15	0.65
SR3035	35	30	75	300	10	25	15	0.65
SR3040	40	30	75	300	10	25	15	0.65
SR3045	45	30	75	300	10	25	15	0.65
SR3050	50	30	100	300	10	25	15	0.75
SR3060	60	30	100	300	10	25	15	0.75

NOTE: Suffix "C" = Common Cathode, "A" = Common Anode, "D" = Doubler Connection



50 AMPERES-SCHOTTKY/TO-3P

SR5020	20	50	100	400	10	25	25	0.65
SR5030	30	50	100	400	10	25	25	0.65
SR5035	35	50	100	400	10	25	25	0.65
SR5040	40	50	100	400	10	25	25	0.65
SR5045	45	50	100	400	10	25	25	0.65
SR5050	50	50	125	400	10	25	25	0.75

NOTE: Suffix "C" = Common Cathode, "A" = Common Anode, "D" = Doubler Connection