

The NOVA Program — Schottky Rectifiers

Package	Part Number	Inverse Voltage (volts)	I_O (avg)	$V_F @ I_O$ (A)			I_R at PIV		Die
			(amps) 100°C	25°C	125°C		25°C	125°C	
TO-257	SPD1247C ⁽¹⁾	100	16	.85@8	.72@8		5	150	SC125H100A
	SPD1645C ⁽¹⁾	45	15	.73@15	.71@15		.20	15	MBRC1645



Package	Part Number	Inverse Voltage (volts)	I_O (avg)	$V_F @ I_O$ (A)			I_R at PIV		Die
			(amps) 100°C	25°C	125°C		25°C	125°C	
TO-254	SPD1248C ⁽¹⁾	100	25	.91@12.5	.83@12.5		2	40	SC125H100A
	SPD3045C ⁽¹⁾	45	30	.72@30	.64@30		1.75	70	SC125S045A



Package	Part Number	Inverse Voltage (volts)	I_O (avg)	$V_F @ I_O$ (A)			I_R at PIV		Die
			(amps) 100°C	25°C	125°C		25°C	125°C	
TO-258	SPD4045C ⁽¹⁾	45	40	.59@20	.56@20		4	150	SC175S045A



The NOVA Program — Ultra-Fast Rectifiers

Package	Part Number	Inverse Voltage (volts)	I_O (avg)	$V_F @ I_O$ (A)			I_R at PIV		Die
			(amps) 100°C	25°C	125°C		25°C	125°C	
TO-257	SPD1520C ⁽¹⁾	200	15	1.15	1.05	.01	.5	35	MURC820
	SPD1540C ⁽¹⁾	400	15	1.35	1.30	.01	.5	60	MURC840
	SPD1560C ⁽¹⁾	600	15	1.60	1.40	.01	.5	60	MURC860
	SPD1520	200	15	1.05	0.85	.01	1.0	35	MURC1520
	SPD1540	400	15	1.25	1.12	.01	1.0	60	MURC1540
	SPD1560	600	15	1.50	1.20	.01	1.0	60	MURC1560



Package	Part Number	Inverse Voltage (volts)	I_O (avg)	$V_F @ I_O$ (A)			I_R at PIV		Die
			(amps) 100°C	25°C	125°C		25°C	125°C	
TO-254	SPD3020C ⁽¹⁾	200	24	1.05	0.98	.02	1.0	35	MURC1520
	SPD3040C ⁽¹⁾	400	24	1.35	1.15	.02	1.0	50	MURC1540
	SPD3060C ⁽¹⁾	600	24	1.60	1.40	.02	2.0	70	MURC1560



Note: 1. "C" suffix indicates Common-Cathode Center-Tap device. Common-Anode Center-Tap devices are also available ("CA" suffix).