

Power Devices

Schottky Rectifiers (in order of current rating) (cont.)

Type No.	Package Outline	Average Forward Current I_F (AV) max. (1)	Repetitive Peak Reverse Voltage V_{RRM} max.	Surge (Non-Repetitive) Forward Current I_{FSM} max. (2)	Voltage Drop V_F max. @ I_F
PBYR1635F PBYR1640F PBYR1645F	SOT-186 (F-PAK)	16A	35V 40V 45V	150A	0.57V at 16A, 125°C
BYV133-35* -40 -45	TO-220AB	*20A	35V 40V 45V	2 x 220A	0.6V at 7A, 150°C
BYV133F-35 -40 -45	SOT-186 (F-PAK)	*20A	35V 40V 45V	2 x 220A	0.6V at 7A, 150°C
PBYR2035CT PBYR2040CT PBYR2045CT	TO-220AB	*20A	35V 40V 45V	2 x 150A	0.57V at 10A, 125°C
PBYR2035CTF PBYR2040CTF PBYR2045CTF	SOT-186 (F-PAK)	*20A	35V 40V 45V	2 x 150A	0.57V at 10A, 125°C
PBYR2060CT PBYR2080CT PBYR20100CT	TO-220AB	*20A	60V 80V 100V	2 x 150A	0.70V at 10A 125°C
BYV143-35* -40 -45	TO-220AB	*30A	35V 40V 45V	2 x 220A	0.6V at 15A, 150°C
BYV143F-35 -40 -45	SOT-186 (F-PAK)	*30A	35V 40V 45V	2 x 220A	0.6V at 15A, 150°C
PBYR2535CT PBYR2540CT PBYR2545CT	TO-220AB	*30A	35V 40V 45V	2 x 150A	0.73V at 15A, 125°C
PBYR2535CTF PBYR2540CTF PBYR2545CTF	SOT-186 (F-PAK)	*30A	35V 40V 45V	2 x 150A	0.73V at 15A, 125°C
PBYR3035PT PBYR3040PT PBYR3045PT	SOT-93	*30A	35V 40V 45V	2 x 200A	0.6V at 20A, 125°C
PBYR3035PTF PBYR3040PTF PBYR3045PTF	SOT-199 (F-PAK)	*30A	35V 40V 45V	2 x 200A	0.6V at 20A, 125°C
PBYR3060PT PBYR3080PT PBYR30100PT	SOT-93	*30A	60V 80V 100V	2 x 150A	0.70V at 15A 125°C
PBYR12035TV PBYR12040TV PBYR12045TV	SOT-227B2	*120A	35V 40V 45V	2 x 720A	0.67V at 60A, 150°C
PBYR16035TV PBYR16040TV PBYR16045TV	SOT-227B2	*160A	35V 40V 45V	2 x 1080A	0.69V at 160A, 150°C

(1) T_{mb} = max. rated (2) $T_j = T_j$ max., $t = 8.3$ ms *Center-tapped dual diode. I_F (AV) max. for each diode leg is one-half of value shown in table.