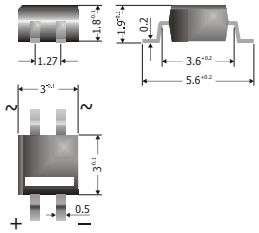
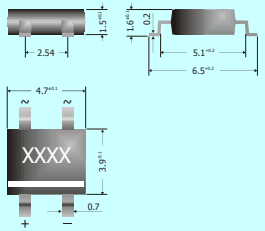
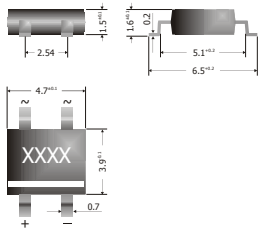
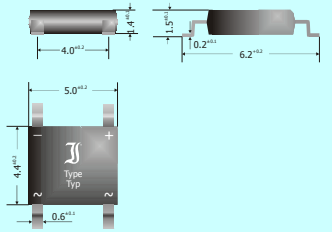
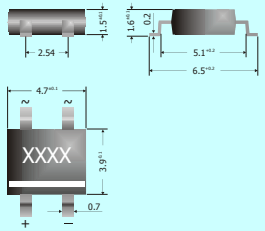
SMD Bridge Rectifier 0.5 to 1.0Amp

Diotec Semiconductor

Package	MicroDIL	MBS	MiniDIL slim	ABS	MiniDIL slim
Drawing					
Output Current I_{FAV}	**0.5A**	**0.5A (0.8A [1])**	**0.8A**	**0.8A (1.0A [1])**	**1.0A Protectifiers®**
Voltage V_{RRM} 80V	MYS40	**NEW**	S40	**NEW**	**NEW**
160V	MYS80		S80		
250V	MYS125	MB2S (200V)	S125	ABS2 (200V)	S125K [2])
400V		MB4S		ABS4	
600V	MYS250	MB6S	S250	ABS6	S250K [2])
800V	MYS380	MB8S	S380	ABS8	
1000V		MB10S	S500	ABS10	
Forward voltage drop per diode	V_F < 1.2V at I_F = 0.5A	V_F < 1.0V at I_F = 0.4A	V_F < 0.95V at I_F = 0.4A V_F < 1.1V at I_F = 0.8A	V_F < 0.95V at I_F = 0.4A V_F < 1.1V at I_F = 0.8A	**V_F < 0.95V at I_F = 0.8A**
Forward surge I_{FSM}	20/22 (10/8.3ms)	27/30A (10ms/8.3ms)	**40/44A (10ms/8.3ms)**	27/30A (10ms/8.3ms)	**50/55A (10ms/8.3ms)**
ESD rating	-	-	-	-	**Class 3B / 8kV**
Advantages	**Smallest Size of Layout Needed**	**Low Cost**	**- True 0.8A Rating - High I_{FSM}**	**Fits on 4mm Pitch Layouts**	**- True 1.0A Rating - Lowest V_F - Highest I_{FSM} - ESD Rating**
Why to buy from Diotec?	Smallest Size SMD Bridge	Slim Profile	Slim Profile / Better I_{FSM} than MBS & ABS	Known Brand	Best in Class Performance

1 On alumina substrate

2 Instead of V_{RRM}, for these type of bridges a V_{WM} / V_{BR} combination is defined, please refer to the data sheet. At input voltages of 85 ... 265V_{AC}, these devices can replace usually used 600 ... 1000V devices