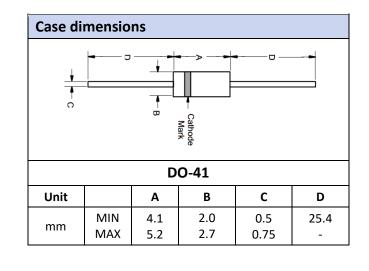


SMD General Rectifier Diode

Primary characteristics						
Parameter	Value	Unit				
Maximum Repetitive Peak Reverse Voltage	1200 ~ 2000	V				
Maximum Average Forward Rectified Current	0.5	A				

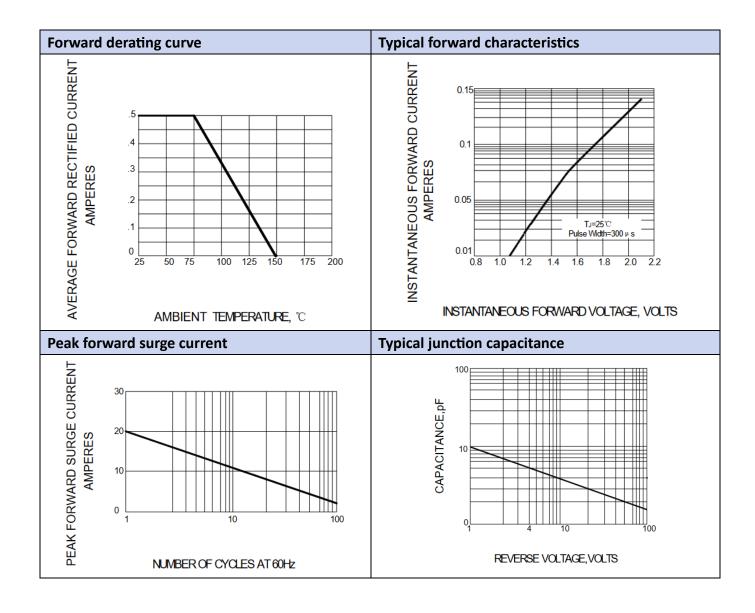
Features

- **DO-41** case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- Low leakage
- Glass passivated junction
- High current capability
- Easily cleaned with alcohol, Isopropanol and similar solvents
- The plastics material carries UL recognition 94V-0
- Solderable per MIL-STD-202, Method 208
- Weight: 0.34g/0.012oz



Absolute maximum ratings and general electrical characteristics ($T_a = 25^{\circ}C$)								
Parameter		Symbol	Value				11	
			PR1200G	PR1400G	PR1600G	PR1800G	PR2000G	Unit
Maximum repetitive peak reverse voltage		VRRM	1200	1400	1600	1800	2000	
Maximum RMS voltage		V _{RMS}	840	980	1120	1260	1400	V
Maximum DC blocking voltage		V _{DC}	1200	1400	1600	1800	2000	
Maximum average forward rectified current 9.5mm lead length, @T₃=75°C		I _{F(AV)}	0.5					
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		Ifsm	20					A
Maximum instantaneous forward voltage @100mA		V _F	1.8			V		
Maximum DC reverse current at rated DC blocking voltage	Ta=25°C		5.0					μA
	T _a =125°C	- I _R		100				
Maximum reverse recovery time $@I_F=0.5A, I_R=1.0A, I_{rr}=0.25A$		t _{rr}	300				ns	
Typical junction capacitance @1.0MHz, V _R =4.0VDC		Cj	5.0				pF	
Typical thermal resistance junction to ambient		R _{eja}	45			°C/W		
Typical thermal resistance junction to lead		R _{eJL}	10				°C/W	
Operating junction and storage temperature range		T _j , T _{STG}	-55 ~ 150			°C		







Ordering information							
Part Number	Package	Shipping Quantity	Dimensions				
PR1200G ~ PR2000G	DO-41	5000 pcs					

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