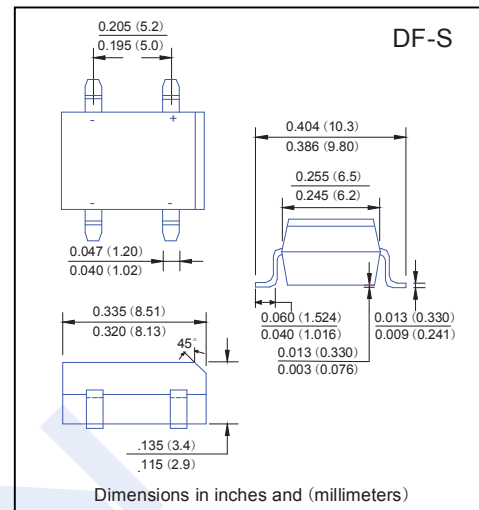


Bridge Rectifiers

DF15005S ~ DF1510S

■ Features

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Forward Current :1.5A
- Reverse Voltage 50 to 1000V



■ Absolute Maximum Ratings Ta = 25°C

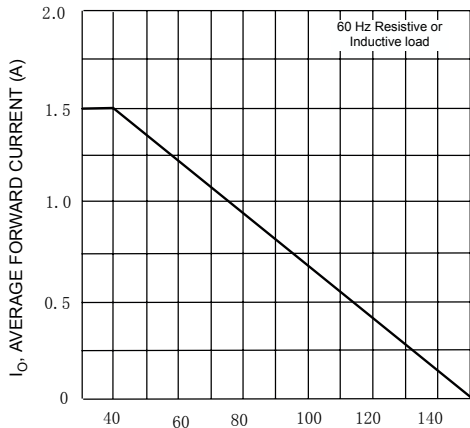
Parameter	Symbol	DF 15005S	DF 1501S	DF 1502S	DF 1504S	DF 1506S	DF 1508S	DF 1510S	Unit	
Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V	
RMS Voltage	V _{RMS}	35	70	140	280	420	560	700		
DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000		
Forward Voltage @ I _F =1.5A DC	V _F	1.1								
Averaged Forward Rectified Current. T _A =40°C	I _{FAV}	1.5								A
Peak Forward Surge Current @ 8.3ms	I _{FSM}	50								
Maximum DC Reverse Current T _J =25°C	I _R	10								μA
T _J =125°C		500								
Typical Thermal Resistance	R _{thJA}	40								°C/W
I ² t Rating for Fusing (t<8.3ms)	I ² t	10.4								A ² t
Typical Junction Capacitance *1	C _j	25								pF
Junction Temperature	T _j	150								°C
Storage Temperature	T _{stg}	-55 to 150								

* 1 Measured at 1MHz and applied reverse voltage of 4V D.C

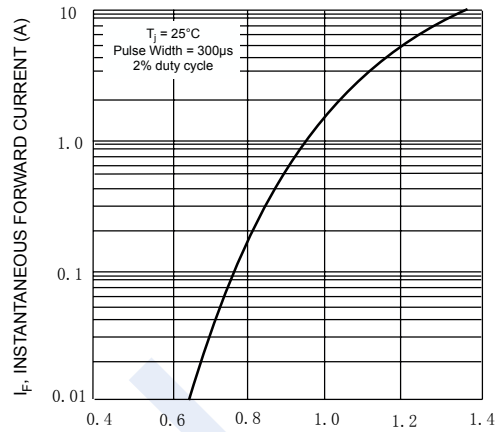
Bridge Rectifiers

DF15005S ~ DF1510S

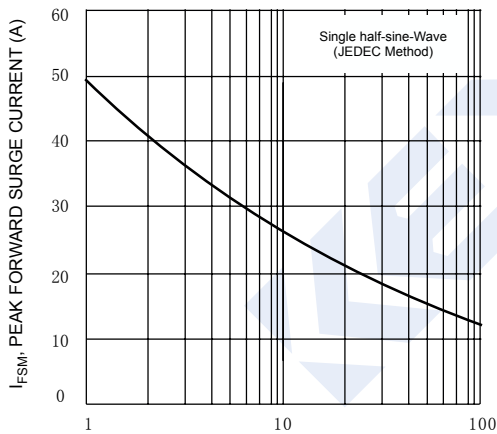
■ Typical Characteristics



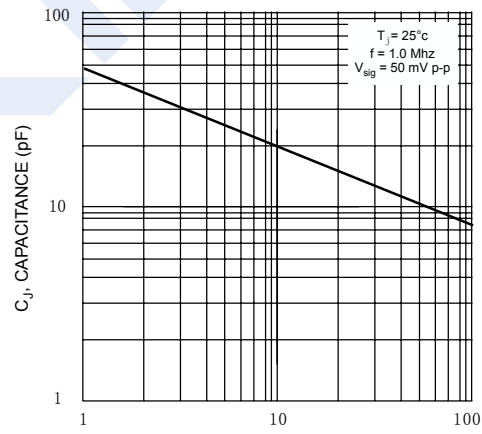
TA, AMBIENT TEMPERATURE (°C)
Fig. 1 Output Current Derating Curve



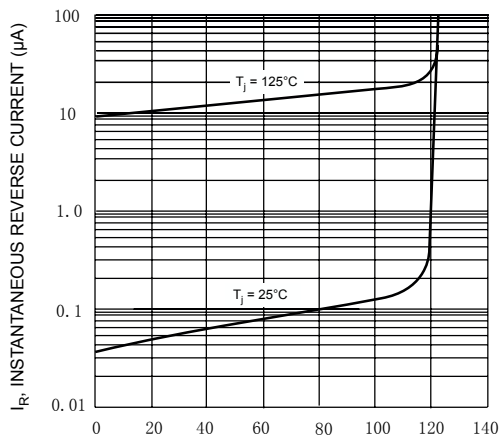
VF, INSTANTANEOUS FORWARD VOLTAGE (V)
Fig. 2 Typ Forward Characteristics (per element)



NUMBER OF CYCLES AT 60 Hz
Fig. 3 Max Non-Repetitive Peak Forward Surge Current



VR, REVERSE VOLTAGE (V)
Fig. 4 Typ Junction Capacitance (per element)



PERCENT OF RATED PEAK REVERSE VOLTAGE (%)
Fig. 5 Typ Reverse Characteristics (per element)