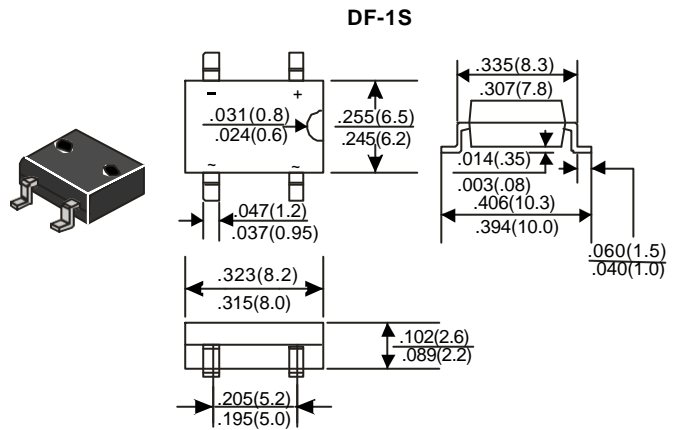


SINGLE PHASE 2.0AMP SURFACE MOUNT BRIDGE RECTIFIERS

Features:

- *Ideal for printed circuit board
- *Reliable low cost construction utilizing molded plastic technique
- *High surge current capability
- *Polarity: marked on body
- *Mounting position: Any
- *Weight: 1.0 grams
- *Both normal and Pb free product are available:
- *Normal: 80~95%Sn, 5~20%Pb
- *Pb free: 99 Sn above can meet Rohs environment substance directive request



Dimensions inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.
 Single phase half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

TYPE NUMBER	DF2005S	DF201S	DF202S	DF204S	DF206S	DF208S	DF210S	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375" (9.5mm) Lead Length at Ta=40°C	2.0							A
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	75							A
Maximum Forward Voltage Dropper Bridge Element at 2.0A D.C.	1.0							V
Maximum DC Reverse Current Ta=25°C	5							μA
at Rated DC Blocking Voltage Ta=125°C	500							μA
Operating Temperature Range, Tj	-65 — +150							°C
Storage Temperature Range, TSTG	-65 — +150							°C

RATING AND CHARACTERISTIC CURVES (DF2005S THRU DF210S)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

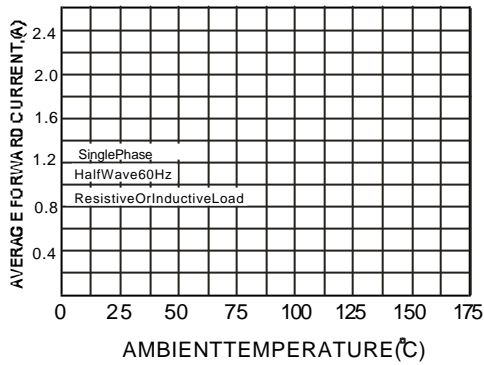


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

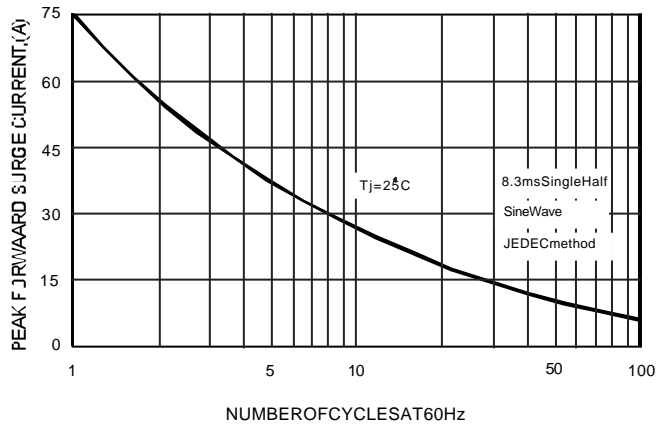


FIG.3-TYPICAL FORWARD CHARACTERISTICS

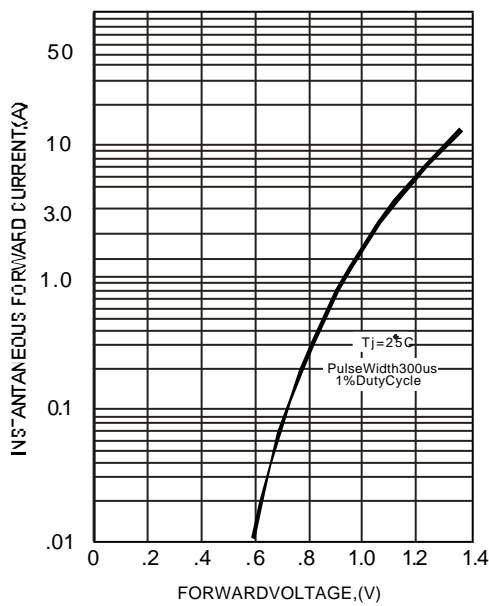


FIG.4-TYPICAL REVERSE CHARACTERISTICS

