



Voltage Range
50 to 1000 Volts
Current
1.5Ampere

DB

DBS

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- Technical drawings of the 2500 Series 120VAC Motor, showing top, front, and side views with dimensions in inches and millimeters.
- Top View Dimensions:**
- Overall width: .315 (8,0)
 - Overall height: .285 (7,24)
 - Internal width: .255 (6,5)
 - Internal height: .245 (6,2)
- Front View Dimensions:**
- Top mounting hole spacing: .205 (5,2)
 - Top mounting hole diameter: .047 (1,20)
 - Top mounting hole offset: .195 (5,0)
 - Top mounting hole diameter (alternative): .040 (1,02)
 - Base width: .335 (8,51)
 - Base height: .320 (8,12)
 - Base mounting hole spacing: .08 (2,03)
 - Base mounting hole diameter: .05 (1,27)
 - Base mounting hole offset: .045 (1,14)
 - Base mounting hole diameter (alternative): .035 (0,89)
 - Base mounting hole offset (alternative): .023 (0,58)
 - Base mounting hole diameter (alternative): .018 (0,46)
 - Base mounting hole offset (alternative): .020 (5,2)
 - Base mounting hole offset (alternative): .185 (4,69)
 - Base mounting hole offset (alternative): .150 (3,81)
 - Base mounting hole offset (alternative): .075 (1,90)
 - Base mounting hole offset (alternative): .055 (1,39)
 - Base mounting hole offset (alternative): .013 (0,33)
 - Base mounting hole offset (alternative): .0088 (0,22)
- Side View Dimensions:**
- Top mounting hole spacing: .404 (10,3)
 - Top mounting hole diameter: .386 (9,80)
 - Top mounting hole offset: .255 (6,5)
 - Top mounting hole offset: .245 (6,2)
 - Base width: .335 (8,51)
 - Base height: .320 (8,13)
 - Base mounting hole spacing: .130 (3,30)
 - Base mounting hole diameter: .120 (3,05)
 - Base mounting hole offset: .060 (1,53)
 - Base mounting hole offset: .040 (1,02)
 - Base mounting hole offset: .013 (0,33)
 - Base mounting hole offset: .0088 (0,22)

Dimensions in inches and (millimeters)

Rating at 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		DB151	DB152	DB153	DB154	DB155	DB156	DB157	UNITS
		DB 151S	DB 152S	DB 153S	DB 154S	DB 155S	DB 156S	DB 157S	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A = 40 °C	I _{F(AV)}	1.5							A
Peak Forward Surge Current 8,3 ms Single Half Sine-wave Superimposed on Rated load (JEDEC method)	I _{FSM}	50							A
Maximum Instantaneous Forward Voltage Drop Per Leg @ 1.5A	V _F	1.1							V
Maximun DC Reverse Current @ T _A = 25 °C at Rated DC Blocking Voltage @ T _A = 125 °C	I _R	5 100							uA uA
Operating Temperature Range	T _J	-55 to+150							°C
Storage Temperature Range	T _{STG}	-55 to+150							°C

RATING AND CHARACTERISTIC CURVES

DB151(S) THRU DB157(S)



FIG.1 - MAXIMUM DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

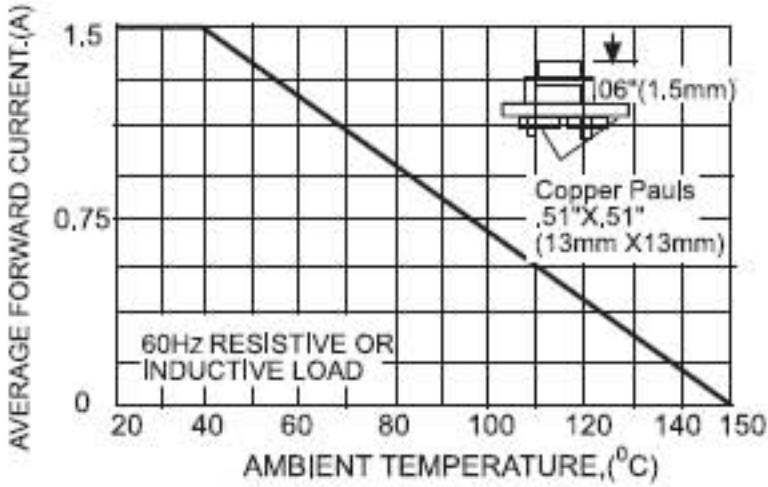


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER BRIDGE ELEMENT

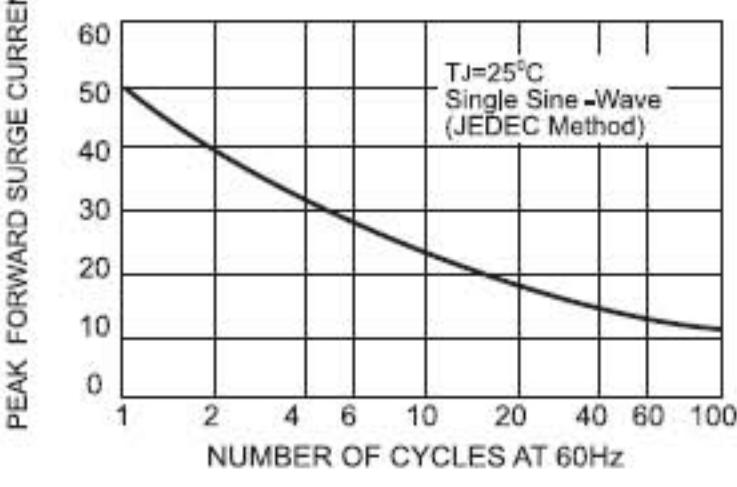


FIG.3-TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

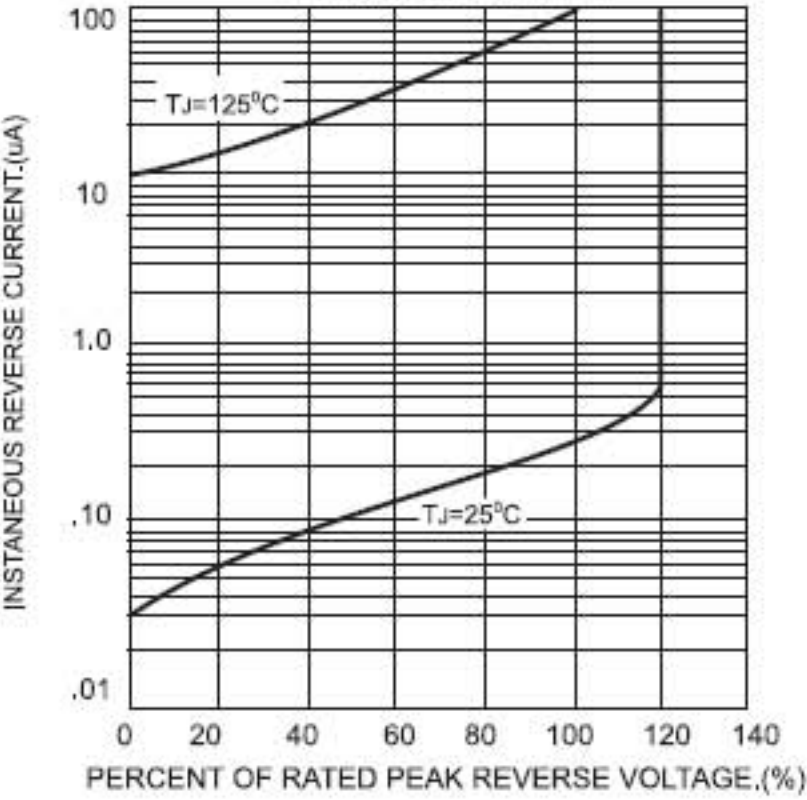


FIG.4-TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

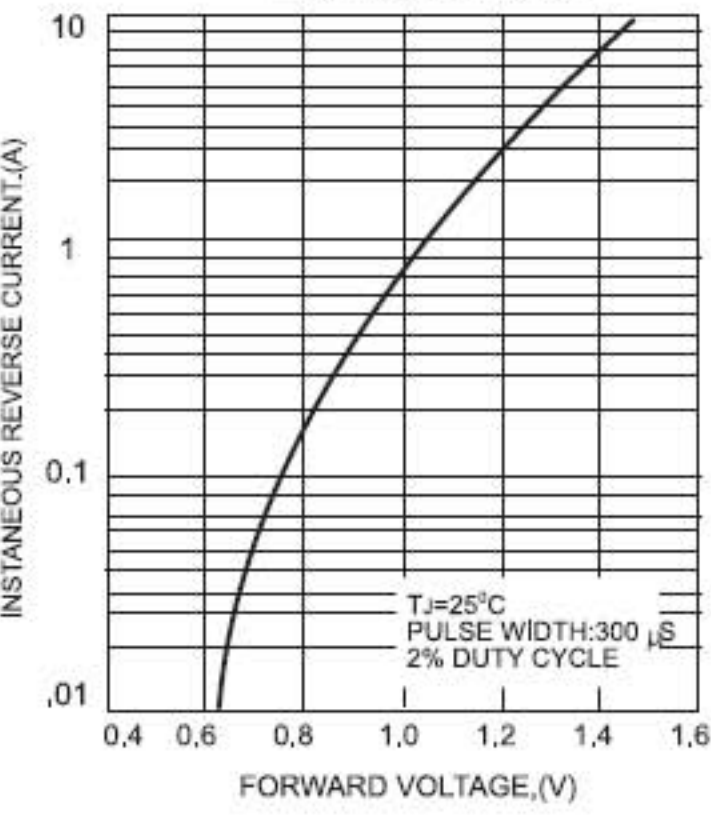


FIG.5-TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT

