

DB35-16

PRV : 1600 Volts

I_o : 35 Amperes

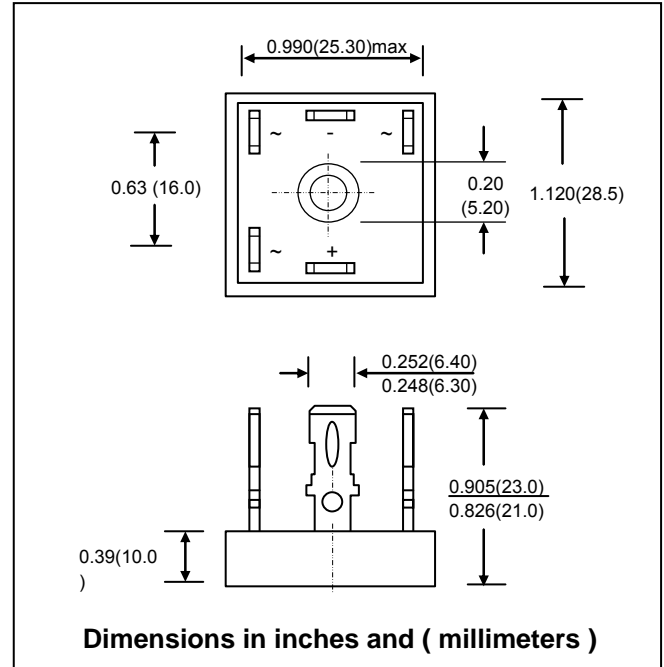
FEATURES :

- * Universal, 3 way terminals:
push-on, wrap around or solder
- * High thermal conductivity package,
electrically insulated case
- * Center hole fixing
- * Excellent power/volume ratio
- * Terminal Solderable as per MIL-STD-202 METHOD 208
- * Weight : 20 grams
- * **Pb / RoHS Free**

Description

A range of extremely compact, encapsulated three phase bridge rectifiers offering efficient and reliable operation. They are intended for use in general purpose and instrumentation applications.

THREE PHASE BRIDGE SILICON BRIDGE RECTIFIER



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specific.

RATING	SYMBOL	VALUE	UNIT
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	1600	V
Maximum Alternating Input Voltage	V _{RMS}	1000	V
Maximum Average Forward Current Ta = 50 °C	I _{F(AV)}	35	A
Maximum Repetitive Peak Forward Current, f > 15Hz	I _{FRM}	120	A
Maximum Peak Forward Surge Current, Half sine-wave, Ta = 25 °C	I _{FSM}	450 (f = 50 Hz)	A
		500 (f = 60 Hz)	
Rating for fusing, t < 10 ms	I ² t	1000	A ² s
Maximum Forward Voltage Drop at T _j = 25 °C, I _F = 17.5 A	V _F	1.05	V
Maximum Reverse Current at T _j = 25 °C, V _R = V _{RRM}	I _R	10	μA
Thermal Resistance Junction to case	R _{θJC}	1.8	K/W
Operating Junction Temperature Range	T _J	- 50 to + 150	°C
Storage Temperature Range	T _{STG}	- 50 to + 150	°C

RATING AND CHARACTERISTIC CURVES (DB35-16)

FIG.1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

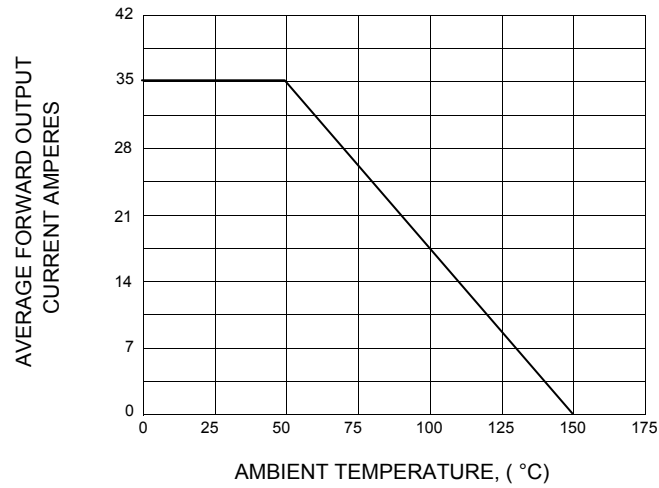


FIG.3 - TYPICAL FORWARD CHARACTERISTICS PER DIODE

