

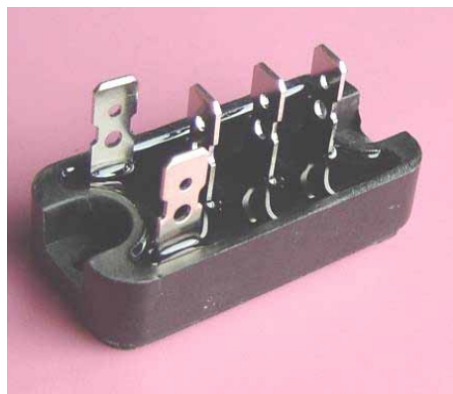
DF30DB80 Thru DF30DB160

High Current Glass Passivated Molding Three -Phase Bridge Rectifier

Reverse Voltage 800 to 1600V Forward Current 30A

FEATURES

- I Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- I High current capacity with small package
- I Glass passivated chip junctions
- I Superior thermal conductivity
- I High IFSM



1. Maximum & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

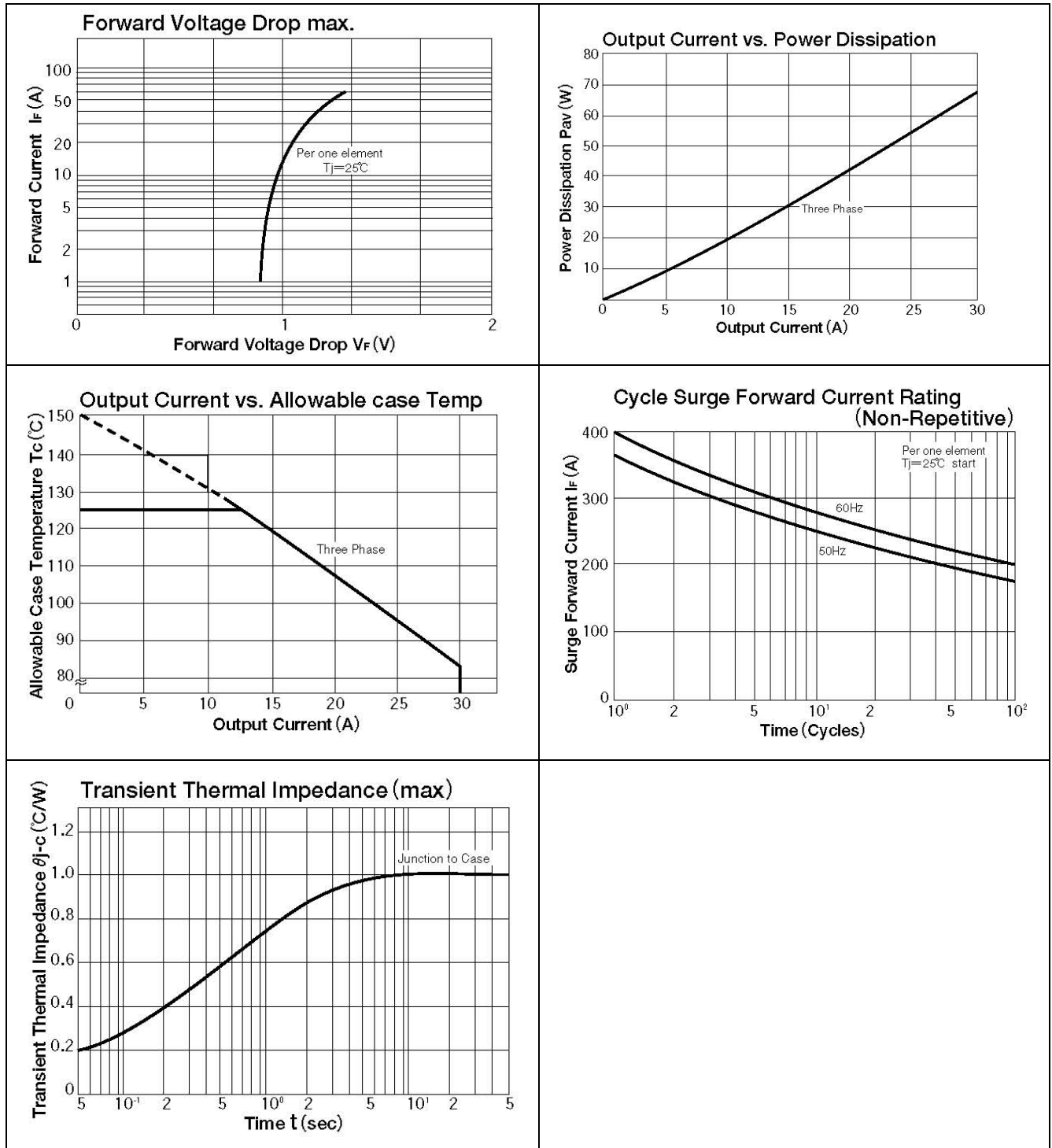
Item	Symbol	DF30DB80	DF30DB120	DF30DB160	Unit
Maximum repetitive voltage	V_{RRM}	800	1200	1600	V
Non-repetitive peak reverse voltage	V_{RSM}	900	1300	1700	V

Symbol	Item	Conditions	Ratings	Unit
I_D	Output current(DC)	Three phase, full wave,, $T_c=83^{\circ}\text{C}$	30	A
I_{FSM}	Forward surge current	1 cycle,50/60Hz,peak value,non-repetitive	365/400	A
T_j	Junction temperature		-55 to 125	$^{\circ}\text{C}$
T_{stg}	Storage Temperature		-55 to 125	$^{\circ}\text{C}$
Viso	Isolation Breakdown Voltage (R.M.S)	Main Terminal to case 1 minute	2500	V
	Mounting Torque (M4)	Recommended Value 1.0-1.4 (10-14)	1.5 (15)	N.m (kgf.cm)
	Mass	Typical Value	32	g

Symbol	Item	Conditions	Ratings	Unit
I_{RRM}	Repetitive peak reverse current,max.	$T_j=150^{\circ}\text{C}$ at V_{RRM}	1.5	mA
V_{FM}	Forward Voltage Drop,max.	$I_{FM}=15\text{A}, T_j=25^{\circ}\text{C}$ Inst. Measurement	1.05	V
$R_{th(j-c)}$	Thermal Impedance max.	Junction to case	1.0	$^{\circ}\text{C/W}$

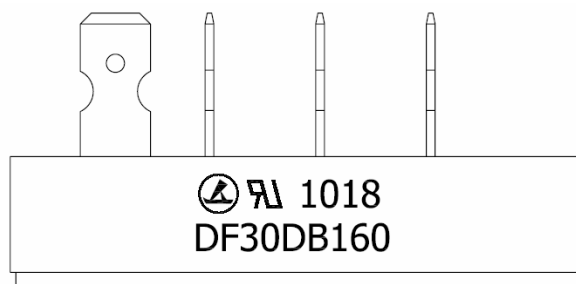
DF30DB80 Thru DF30DB160

2. Ratings and Characteristic Curves ($T_A = 25^\circ\text{C}$ unless otherwise noted)



DF30DB80 Thru DF30DB160

3. Marking Identification



Note:

生产日期码包含4位数字，例如“1018”，前两个数字“10”表示为2010年，另外二个数字“18”是指第18周，即表示该产品为2010年18周生产。

型号: DF 30 DB 160

bridge reverse voltage=1600V

mean: Three phase bridge

average rectified forward Current=30A

mean: DF series bridge

4. Dimension

