DIODE(THREE PHASES BRIDGE TYPE) DF30BA40/80

UL;E76102(M)

Power Diode Module **DF30BA** is designed for three phase full wave rectification, which has six diodes connected in a three phase bridge configuration. The mounting base of the module is electrically isolated from semiconductor elements for simple heatsink construction output DC current is 30Amp (Tc=122°C) Repetitive peak reverse voltage is up to 800V.

- TjMax=150°C
- Isolated Mounting Base
- High reliability by unique glass passivation
- Easy Assemble by the #250 terminal Tab

(Applications)

AC. DC Motor Drive/AVR/Switching

-for three phase rectification





(Tj=25°C unless otherwise specified)

Maximum Ratings

Symbol	Itom	Ratings		Unit
	Item	DF30BA40	DF30BA80	Unit
Vrrm	Repetitive Peak Reverse Voltage	400	800	V
Vrsm	Non-Repetitive Peak Reverse Voltage	480	960	V

Symbol	ŀ	tem	Conditions	Ratings	Unit
D	Output current (D.C.)		Three phase. full wave. Tc=122°C	30	Α
FSM	Surge Forward Current		1 cycle, 50/60Hz, peak value, non-repetitive	410/450	Α
Tj	Junction Temperature			-40 to +150	°C
Tstg	Storge Temperature			-40 to +125	°C
Viso	Isolation Breakdown Voltage (R.M.S.)		Main Terminal to case 1minute	2500	V
	Mounting	Mounting (M6)	Recommended Value 2.5-3.9 (25-40)	4.7 (48)	N∙m
	Torque	Terminal	Tub Terminal #250	_	(kgf•cm)
	Mass		Typical Value	90	g

Electrical Characteristics

Symbol	Item	Conditions	Ratings	Unit
RRM	Repetitive Peak Reverse Current, max.	Тj=150°С at Vrrм	1.5	mA
Vfm	Forward Voltage Drop, max.	IFM=30A, Tj=25℃ Inst. measurement	1.1	V
Rth(j-c)	Thermal Impedance, max.	Junction to case	0.42	°C/W







