

50(G, L, Q, U)6P43

SILICON DIFFUSED TYPE
RECTIFIER MODULE

THREE PHASE FULL WAVE BRIDGE APPLICATIONS.

FEATURES:

- Repetitive Peak Reverse Voltage : $V_{RRM}=400\sim 1600V$
- Average Output Rectified Current : $I_O=50A$
- Isolation Voltage : 50G6P43, 50L6P43 - 2000V AC
50Q6P43, 50U6P43 - 2500V AC
- Plastic Mold Package

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	50G6P43	V_{RRM}	400	V
	50L6P43		800	
	50Q6P43		1200	
	50U6P43		1600	
Average Output Rectified Current ($T_c=114^\circ C$)		I_O	50	A
Peak One Cycle Surge Forward Current (Non-Repetitive)		I_{FSM}	600(50Hz)	A
			660(60Hz)	
I^2t Limit Value		I^2t	1800	A^2s
Junction Temperature		T_j	-40~150	$^\circ C$
Storage Temperature		T_{stg}	-40~125	$^\circ C$
Screw Torque (Note 1)	M5	-	20	kg·cm
	M6		30	
Isolation Voltage (AC, $t=60sec$)	50G6P43	V_{ISOL}	2000	V
	50L6P43		2500	
	50Q6P43			
	50U6P43			

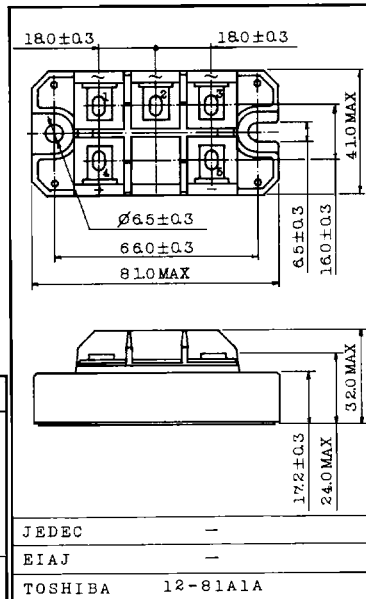
Note 1 : Recommended torque M5: 16kg·cm M6: 24kg·cm

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage (Note 2)	V_{FM}	$I_{FM}=50A$	-	1.2	V
Repetitive Peak Reverse Current (Note 2)	I_{RRM}	$V_{RRM}=\text{Rated}, T_j=150^\circ C$	-	5	mA
Thermal Resistance	$R_{th(j-c)}$	DC (Total)	-	0.3	$^\circ C/W$

Note 2 : A value per one rectifier unit.

Unit in mm



Weight : 170g

CONNECTION

