

160(G, L, Q, U)2G43

SILICON DIFFUSED TYPE
RECTIFIER MODULE

SINGLE & THREE FULL WAVE BRIDGE APPLICATIONS.

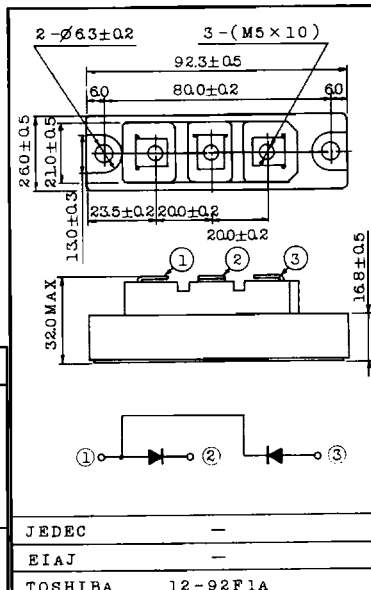
FEATURES:

- Repetitive Peak Reverse Voltage : $V_{RRM}=400\sim 1600V$
- Average Output Rectified Current : $I_O=160A(1\phi)$
 $I_O=240A(3\phi)$
- Isolation Voltage : 160G2G43, 160L2G43 - 2000V AC
160Q2G43, 160U2G43 - 2500V AC
- Plastic Mold Package

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	160G2G43	V_{RRM}	400	V
	160L2G43		800	
	160Q2G43		1200	
	160U2G43		1600	
Average Output Rectified Current ($T_c=105^\circ C$)		I_O	160 (1 ϕ)	A
			240 (3 ϕ)	
Peak One Cycle Surge Forward Current (Non-Repetitive)		I_{FSM}	2400(50Hz)	A
			2650(60Hz)	
I ² t Limit Value		I^2t	28800	A ² s
Junction Temperature		T_j	-40~150	°C
Storage Temperature		T_{stg}	-40~125	°C
Screw Torque (Note 1)	M5	-	20	kg·cm
	M6		30	
Isolation Voltage (AC, t=60sec)	160G2G43	V_{ISOL}	2000	V
	160L2G43			
	160Q2G43		2500	
	160U2G43			

Unit in mm



JEDEC	-
EIAJ	-
TOSHIBA	12-92F1A

Weight : 120g

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}	$I_{FM}=240A$	-	1.2	V
Repetitive Peak Reverse Current (Note 2)	I_{RRM}	$V_{RRM}=\text{Rated}, T_j=150^\circ C$	-	20	mA
Thermal Resistance	$R_{th(j-c)}$	DC (Total)	-	0.23	°C/W

Note 2: A value per one rectifier unit.

