DIODE MODULE (F.R.D.)

FRG25BA60





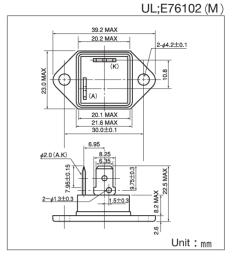
FRG25BA60 is a high speed isolated diode module designed for high power switching application. FRG25BA60 is suitable for high frequency application requiring low loss and high speed control.

- High Speed trr≤100ns
- IF(AV) 25A
- Isolated Mounting base.
- High Surge Capability

(Applications)

Inverter Welding Power Supply Power Supply for Telecommunication Various Switching Power Supply.





■Maximum Ratings

(Tj=25°C)

Symbol	Item	Ratings	
		FRG25BA60	Unit
VRRM	Repetitive Peak Reverse Voltage	600	V
VR (DC)	D.C. Reverse Voltage	480	V

Symbol	Item	Conditions	Ratings	Unit
lF	Forward Current	D.C. Tc=94°C	25	Α
IFSM	Surge Forward Current	½ cycle, 60Hz, peak value, non-repetitive	450	А
l²t	l²t	Value for One cycle of surge curent	840	A ² S
Tj	Operating Junction Temperature		− 40∼ + 150	°C
Tstg	Storage Temperature		− 40∼ + 125	°C
Viso	Isolation Breakdown Voltage (R.M.S.)	A.C. 1 minute	2500	V
	Mounting Torque (Mounting M4)	Recommended Value 1.0~1.4 (10~14)	1.5 (15)	Nm (kgf·cm)
	Mass	Typical Value	23	g

■Electrical Characteristics

Symbol	Item	Conditions	Ratings			Unit
			Min.	Тур.	Max.	Unit
IRRM	Repetitive Peak Reverse Current	Tj=150℃, at VRRM=600V		25	30	mA
VFM	Forward Voltage Drop	Tj=25℃, IF=25A, Inst. measurement		1.20	1.30	V
trr	Reverse Recovery Time	I=25A, di/dt=100A/ μ s		80	100	ns
Rth (j-c)	Thermal Impedance	Junction to case			1.6	°C/W

FRG25BA60







