



查询FST63100M供应商

Transys
Electronics
LIMITED

捷多邦，专业PCB打样工厂，24小时加急出货

FST6310M
THRU
FST63100M

SCHOTTKY DIODES MODULE TYPE 60A

Features

High Surge Capability
Types Up to 100 V V_{RRM}

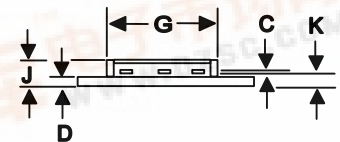
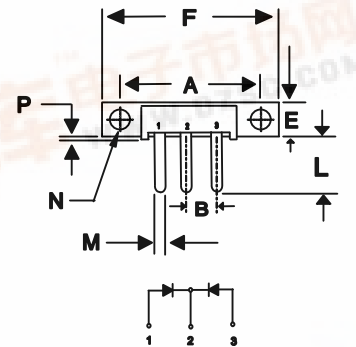
60Amp Rectifier
10-100 Volts

MINI MOD
D61-3M

Maximum Ratings

Operating Temperature: -40°C to $+125^{\circ}\text{C}$
Storage Temperature: -40°C to $+125^{\circ}\text{C}$

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
FST6310M	10V	7V	10V
FST6315M	15V	10V	15V
FST6320M	20V	14V	20V
FST6330M	30V	21V	30V
FST6335M	35V	25V	35V
FST6340M	40V	28V	40V
FST6345M	45V	32V	45V
FST6360M	60V	42V	60V
FST6380M	80V	56V	80V
FST63100M	100V	70V	100V



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	60A	$T_C = 105^{\circ}\text{C}$
Peak Forward Surge Current (Per leg)	I_{FSM}	600A	8.3ms, half sine
Maximum Instantaneous Forward Voltage NOTE (1)	V_F	0.55V 0.75V 0.84V	(FST6310M-FST6345M) (FST6360M) (FST6380M-FST63100M) $I_{FM} = 30\text{ A}; T_J = 25^{\circ}\text{C}$
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg)	I_R	3.0 mA 500 mA	$T_J = 25^{\circ}\text{C}$ $T_J = 125^{\circ}\text{C}$
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	1.2 $^{\circ}\text{C/W}$	

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.180	1.195	29.97	30.35	
B	.200	NOM	5.08	NOM	2PL
C	.027	.037	0.69	0.94	
D	.088	.098	2.24	2.49	
E	.350	.370	8.89	9.40	
F	1.490	1.510	37.85	38.35	
G	.695	.715	17.65	18.16	
J	.240	.260	6.10	6.60	
K	.115	.135	2.92	3.43	
L	.457	.477	11.61	12.12	
M	.065	.085	1.65	2.16	
N	.151	.161	3.84	4.09	$\emptyset$
P	.015	.025	0.38	0.64	

NOTE :

(1) Pulse Test: Pulse Width 300 usec, Duty Cycle $< 2\%$



FST6310M THRU FST63100M

Figure .1-Typical Forward Characteristics

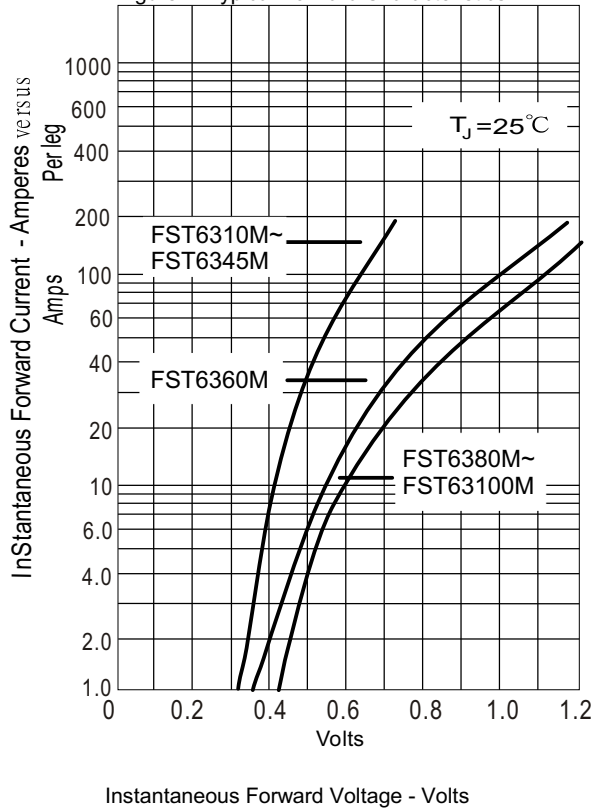


Figure .2- Forward Deratig Curve

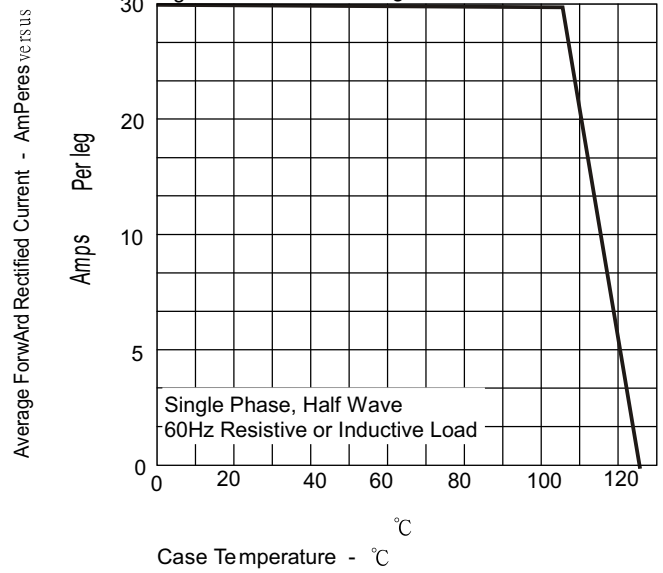


Figure .3-Peak Forward Surge Current

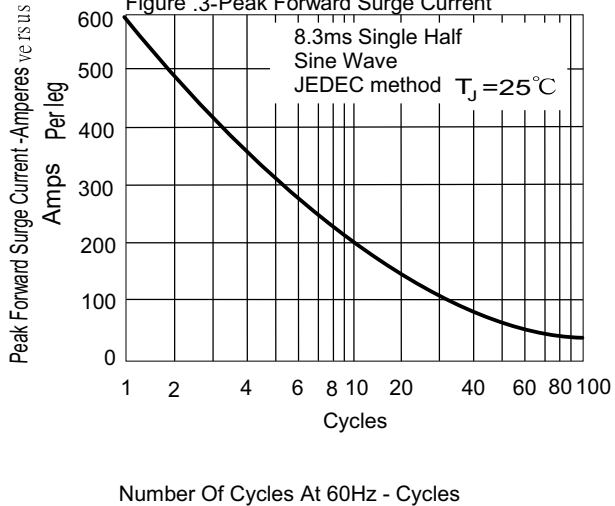


Figure .4-Typical Reverse Characteristics

