Transys Electronics LIMITED

FST6210L THRU FST62100L

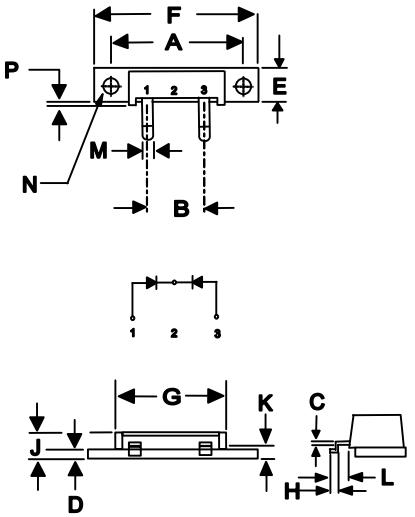
SCHOTTKY DIODES MODULE TYPE 60A

Features

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

60Amp Rectifier
10-100 Volts

MINI MOD
D61-2L



Maximum Ratings

Operating Temperature: -40 ℃ to +125 ℃
Storage Temperature: -40 ℃ to +125 ℃

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
FST6210L	10V	7V	10V
FST6215L	15V	10V	15V
FST6220L	20V	14V	20V
FST6230L	30V	21V	30V
FST6235L	35V	25V	35V
FST6240L	40V	28V	40V
FST6245L	45V	32V	45V
FST6260L	60V	42V	60V
FST6280L	80V	56V	80V
FST62100L	100V	70V	100V

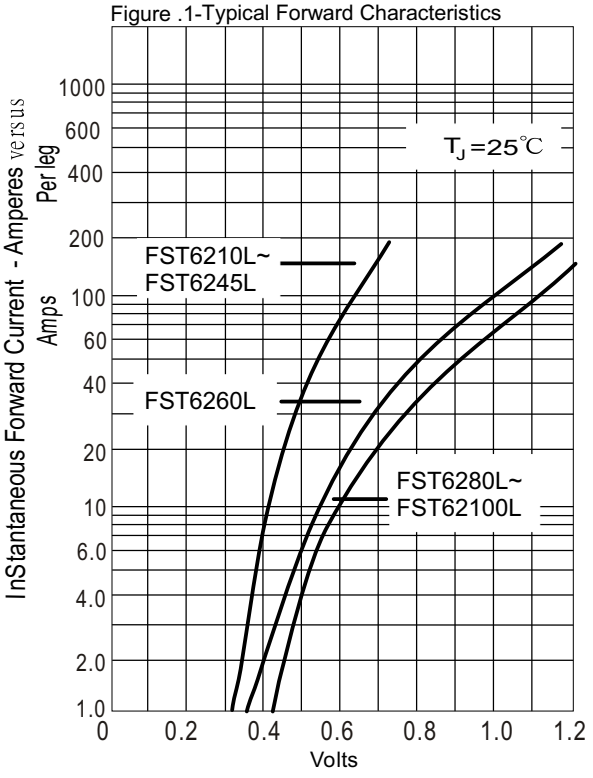
Electrical Characteristics @ 25 ℃ Unless Otherwise Specified

Average Forward Current (Per pkg)	$I_{F(AV)}$	60A	T_C =105 ℃
Peak Forward Surge Current (Per leg)	I_{FSM}	600A	8.3ms , half sine
Maximum Instantaneous Forward Voltage (Per leg) NOTE (1)	V_F	0.55V 0.75V 0.84V	(FST6210L~FST6245L) (FST6260L) (FST6280L~FST62100L) I_{FM} = 30 A; Tj = 25 ℃
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg) NOTE (1)	I_R	3.0 mA 500 mA	T_J = 25 ℃ T_J =125 ℃
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta jc}$	1.2 ℃/W	

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

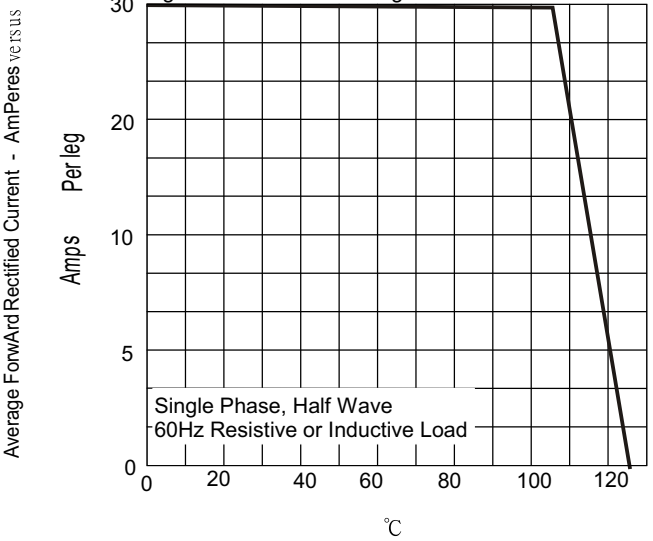
DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	1.180	1.195	29.97	30.35	
B	.400	NOM	10.16	NOM	2PL
C	.027	.037	0.69	0.94	
D	.088	.098	2.24	2.49	
E	.350	.370	8.89	9.40	
F	1.490	1.510	37.85	38.35	
G	.695	.715	17.65	18.16	
H	.104	.124	2.64	3.15	
J	.240	.260	6.10	6.60	
K	.115	.135	2.92	3.43	
L	.230	.250	5.84	6.35	
M	.065	.085	1.65	2.16	
N	.151	.161	3.84	4.09	∅
P	.015	.025	0.38	0.64	

Figure .1-Typical Forward Characteristics



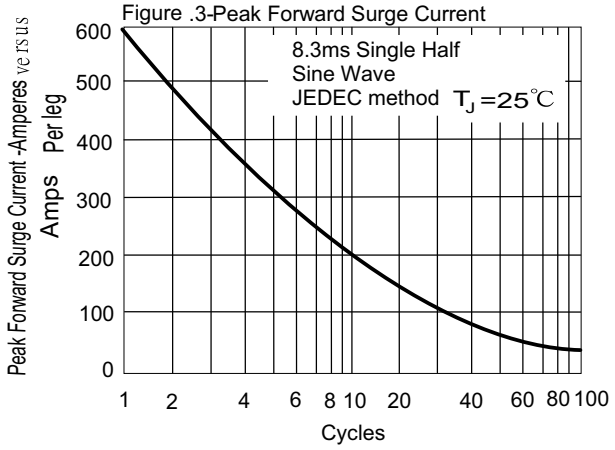
Instantaneous Forward Voltage - Volts

Figure .2-Forward Derating Curve



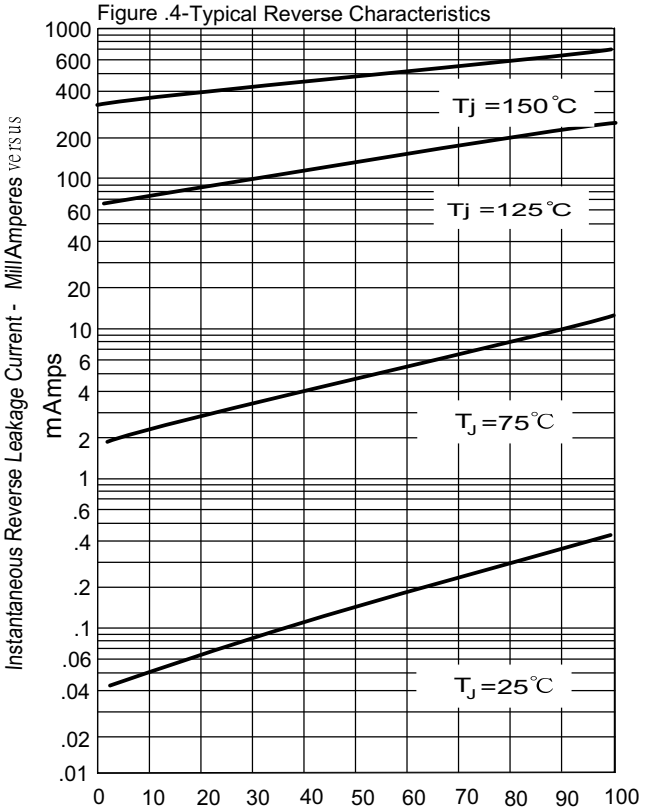
Case Temperature - ℃

Figure .3-Peak Forward Surge Current



Number Of Cycles At 60Hz - Cycles

Figure .4-Typical Reverse Characteristics



Reverse Voltage - Volts