



**SUPER FAST DIODE MODULE TYPES**

**Features**

High Surge Capability  
Types Up to 600 V  $V_{RRM}$

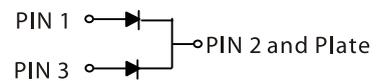
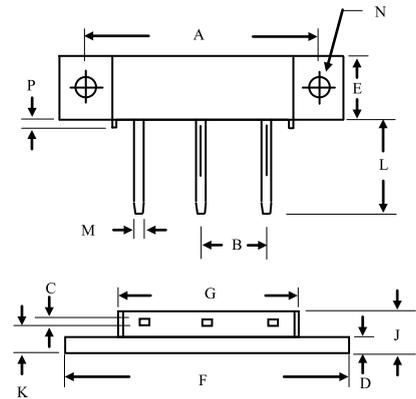
70 Amp Rectifier  
400-600 Volts

Mini Mod (D61-3M)

**Maximum Ratings**

Operating Temperature: -55 °C to +175 °C  
Storage Temperature: -55 °C to +175 °C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
UFT7340M	400V	280V	400V
UFT7360M	600V	420V	600V



**Electrical Characteristics @ 25 °C Unless Otherwise Specified**

Average Forward Current (Per pkg)	$I_{F(AV)}$	70 A	$T_C = 125\text{ }^\circ\text{C}$
Peak Forward Surge Current (Per leg)	$I_{FSM}$	800 A	8.3ms , half sine
Maximum Instantaneous Forward Voltage * (Per leg)	$V_F$	1.30 V 1.70 V	$I_{FM} = 35A;$ $T_J = 25\text{ }^\circ\text{C}$
Maximum Reverse Current At Rated DC Blocking Voltage (Per leg)	$I_R$	20 uA 3 mA	$T_J = 25\text{ }^\circ\text{C}$ $T_J = 125\text{ }^\circ\text{C}$
Maximum Reverse Recovery Time (Per leg)	$T_{rr}$	75 ns 90 ns	$I_F = 0.5A, I_R = 1.0A,$ $I_{RR} = 0.25A$
Maximum Thermal Resistance Junction To Case (Per leg)	$R_{\theta j c}$	1.2 °C/W	

\*Pulse Test:Pulse Width 300  $\mu$  sec, Duty Cycle 2%

DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	1.180	1.195	29.97	30.35
B	0.200	NOM	5.08	NOM
C	0.027	0.037	0.69	0.94
D	0.088	0.098	2.24	2.49
E	0.350	0.370	8.89	9.40
F	1.490	1.510	37.85	38.35
G	0.695	0.715	17.65	18.16
J	0.240	0.260	6.10	6.60
K	0.115	0.135	2.92	3.43
L	0.457	0.477	11.61	12.12
M	0.065	0.085	1.65	2.16
N	0.151	0.161	3.84	4.09
P	0.015	0.025	0.38	0.64



Figure .1- Typical Forward Characteristics

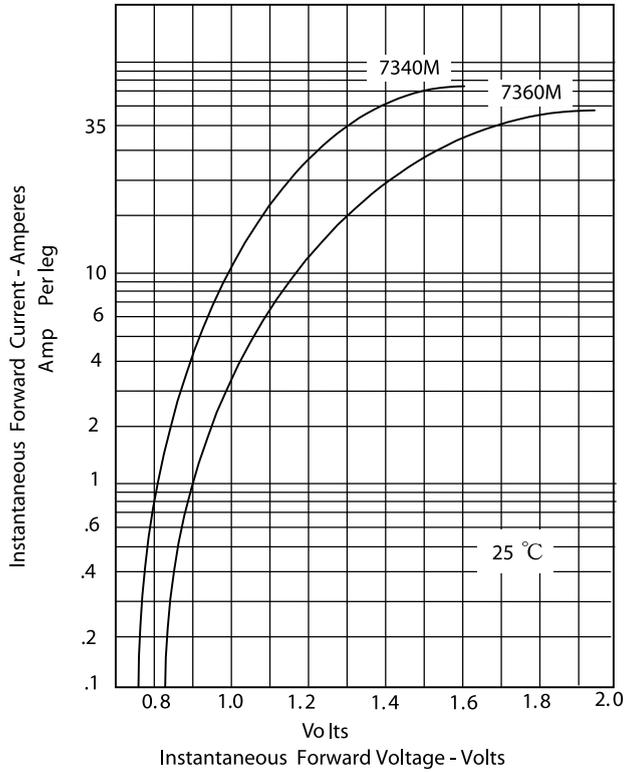


Figure .2- Forward Derating Curve

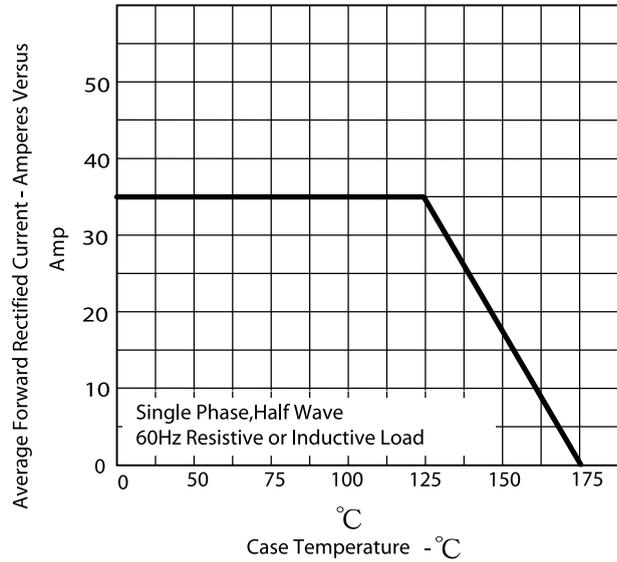


Figure .4- Typical Reverse Characteristics

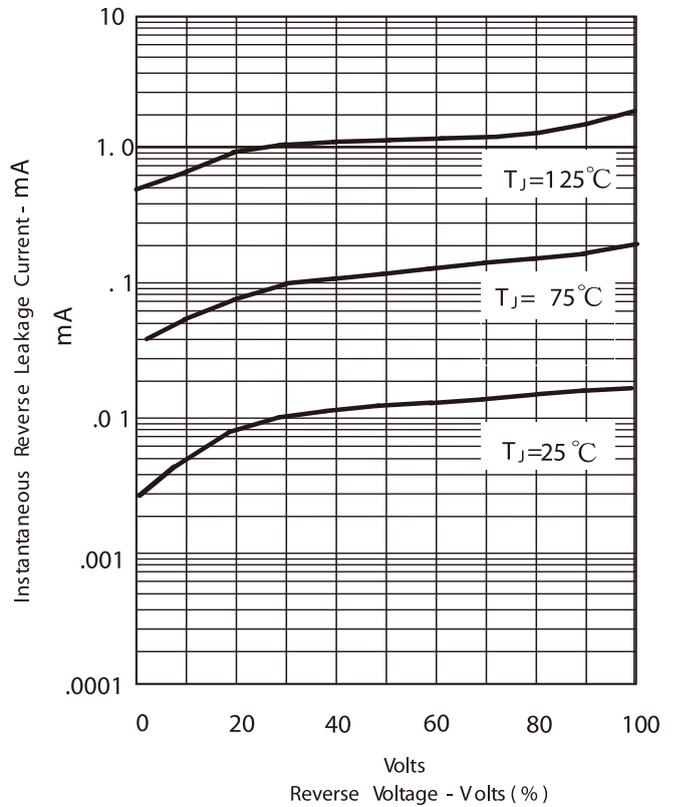
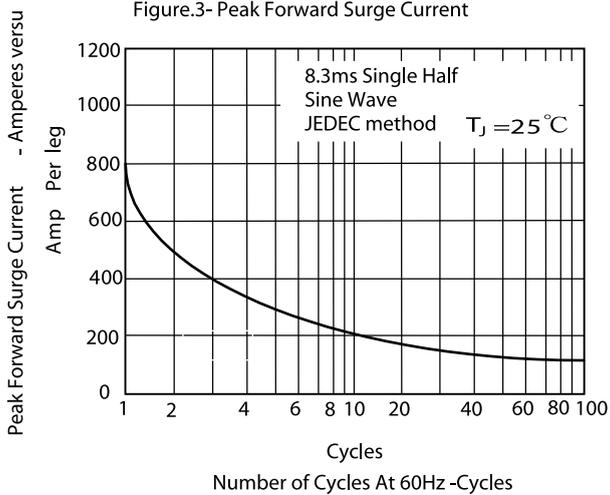


Figure.3- Peak Forward Surge Current





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