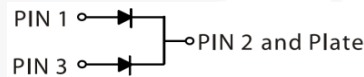


Silicon Super Fast Recovery Diode

 $V_{RRM} = 400\text{ V} - 600\text{ V}$
 $I_F = 70\text{ A}$

Features

- High Surge Capability
- Types from 400 V to 600 V V_{RRM}
- Not ESD Sensitive

D61-3M Package


Maximum ratings, at $T_j = 25\text{ °C}$, unless otherwise specified ("R" devices have leads reversed)

Parameter	Symbol	Conditions	UFT7340M	UFT7360M	Unit
Repetitive peak reverse voltage	V_{RRM}		400	600	V
RMS reverse voltage	V_{RMS}		280	420	V
DC blocking voltage	V_{DC}		400	600	V
Operating temperature	T_j		-55 to 150	-55 to 150	°C
Storage temperature	T_{stg}		-55 to 150	-55 to 150	°C

Electrical characteristics, at $T_j = 25\text{ °C}$, unless otherwise specified

Parameter	Symbol	Conditions	UFT7340M	UFT7360M	Unit
Average forward current (per pkg)	$I_{F(AV)}$	$T_C = 125\text{ °C}$	70	70	A
Peak forward surge current (per leg)	I_{FSM}	$t_p = 8.3\text{ ms}$, half sine	800	800	A
Maximum instantaneous forward voltage (per leg)	V_F	$I_{FM} = 35\text{ A}$, $T_j = 25\text{ °C}$	1.3	1.7	V
Maximum instantaneous reverse current at rated DC blocking voltage (per leg)	I_R	$T_j = 25\text{ °C}$	20	20	μA
		$T_j = 125\text{ °C}$	3	3	mA
Maximum reverse recovery time (per leg)	T_{rr}	$I_F = 0.5\text{ A}$, $I_R = 1.0\text{ A}$, $I_{RR} = 0.25\text{ A}$	75	90	ns

Thermal characteristics

Maximum thermal resistance, junction - case (per leg)	$R_{\theta JC}$		1.2	1.2	°C/W
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Figure .1- Typical Forward Characteristics

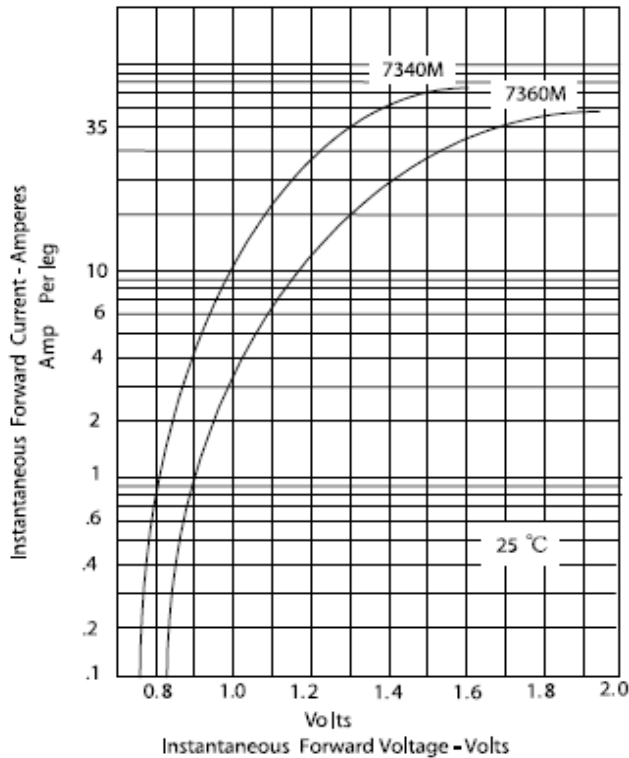


Figure .2- Forward Derating Curve

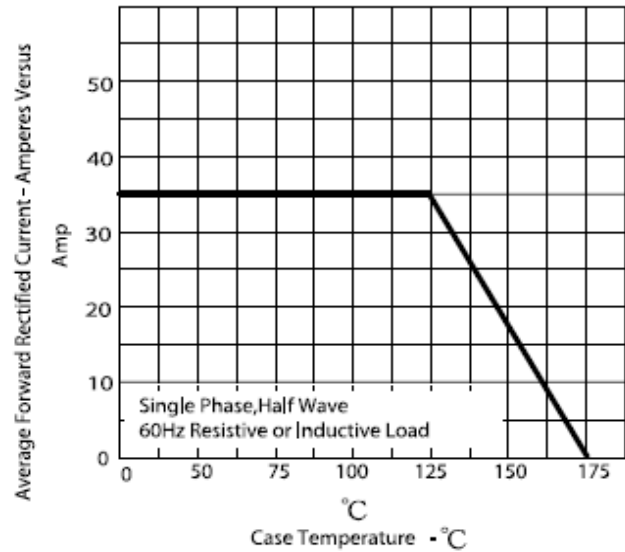


Figure.3- Peak Forward Surge Current

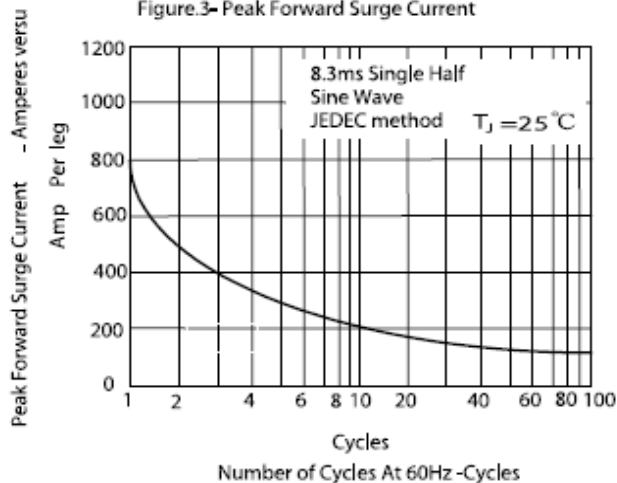
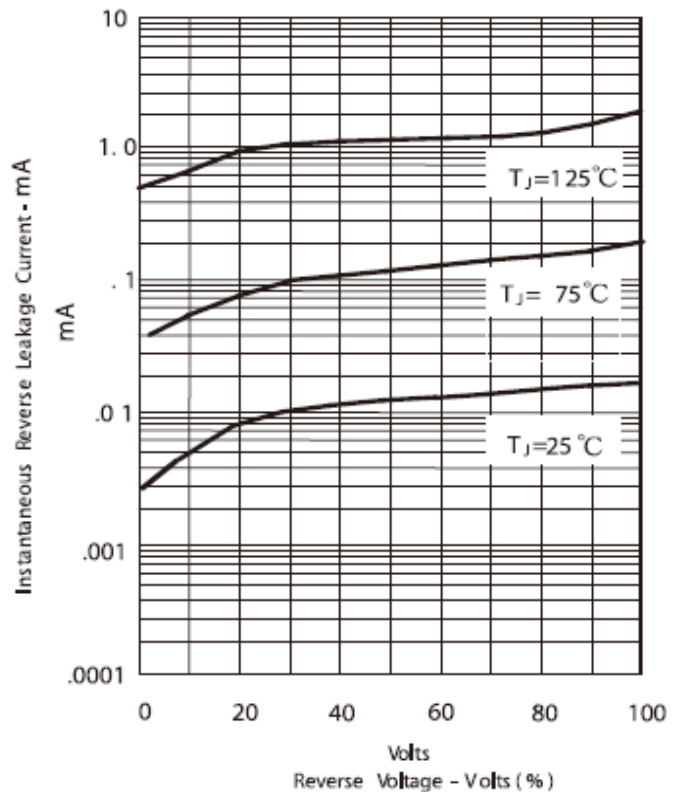
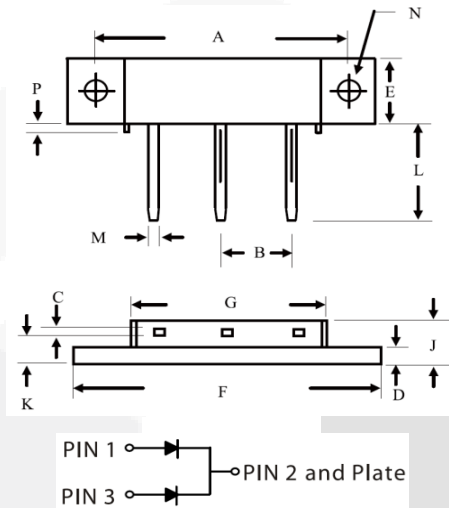


Figure .4 -Typical Reverse Characteristics



Package dimensions and terminal configuration

Product is marked with part number and terminal configuration.



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