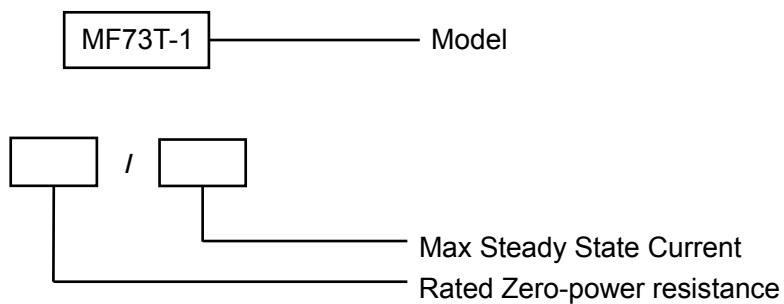


## MF73T High-power NTC Thermistor series

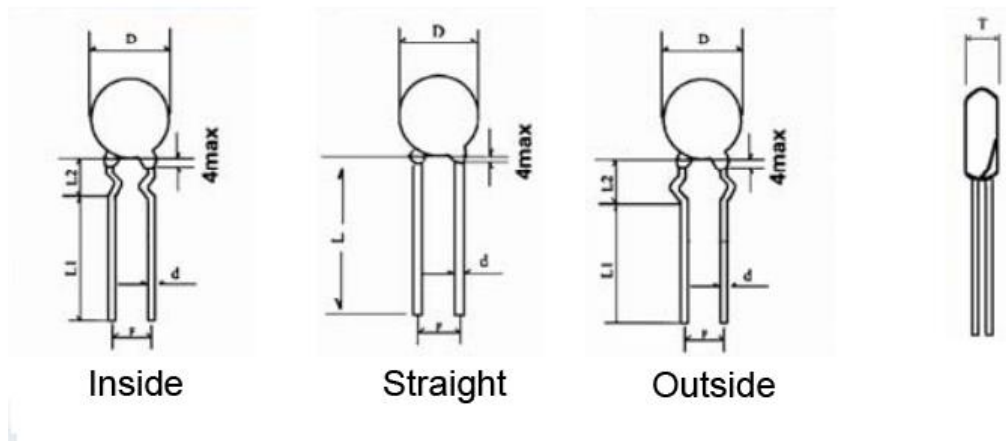
### Applications

- ◆ High power switch power, Power conversion, UPS power.
- ◆ High power battery charger, electric vehicle battery charger.
- ◆ High power LED light, high power electronic energy saving lamps and other lighting lamps.

### MF73T-1 Specification



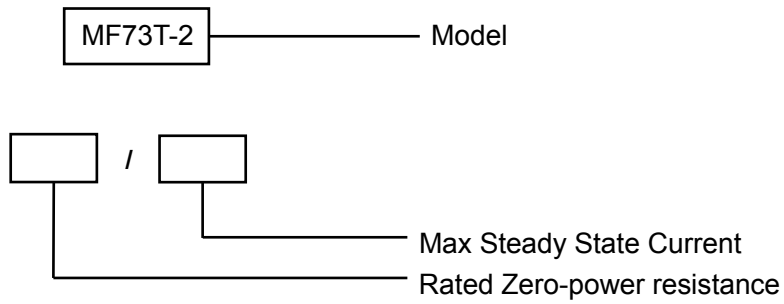
### MF73T-1 Dimensions(mm)



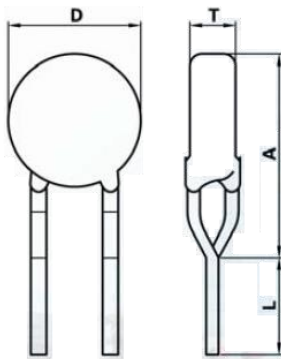
Diameter	Φ3	Φ5	Φ8	Φ10	Φ13	Φ15	Φ20	Φ25	Φ30	Φ35	Φ40
Dmax	4.5	7.0	11	13	15.5	17.5	22.5	29	35	40	45
Tmax	4.5	5.0	5.5	5.5	6.0	6.0	7.0	8.0	10	12	12
F± 1/1.5	2.5	2.5	7.5	7.5	7.5	7.5	10	10	18	18	18
d±0.05	0.45	0.45	0.8	0.8	0.8	0.8	1.0	1.0	1.6	2.0	2.0(2.6)
(L)min	25	25	25	25	25	25	25	25	25	25	25

(L1)min	/	/	17	17	17	17	17	17	/	/	/
Regular radial leaded shape	straight	straight	inside	inside	inside	inside	straight	straight	straight	straight	straight
Special radial leaded shape	/	/	straight	straight	straight	straight	outside	outside	straight	straight	straight

□ MF73T-2 Specification



□ MF73T-2 Dimensions(mm)



Diameter	Φ20	Φ25	Φ30	Φ35	Φ40
Dmax	22.5	29	35	40	45
Tmax	10	12	15	18	18
F± 1/1.5	10	10	18	18	18
d±0.05	1.2	1.2	1.6	2	2.0 ( 2.6 )
(L)min	17	17	17	17	17
(A)max	38	40	55	58	60
Regular radial leaded shape	Ykink	Ykink	Ykink	Ykink	Ykink

□ **Main Technical Parameters**

Working temperature: D3-D5: -40~+150°C, D8-D10: -40~+170°C, D13-D40: -40~+200°C

Part No. MF73T	R25±20% (Ω)	Thermal Index B±10%(K)	Max Steady State Current Imax(A)	Approx. R of Max.Current Rmax(Ω)	Max rated Power Pmax(W)	Max surge capacitance (μF)240V/AC
Φ3mm						
MF73T-1 5/2	5	2500	2	0.493	1.5	100
MF73T-1 8/1	8	2600	1	1.025		100
MF73T-1 10/1	10	2600	1	1.223		100
MF73T-1 20/0.7	20	2600	0.7	3.011		100
MF73T-1 25/0.7	25	2600	0.7	3.461		47
MF73T-1 30/0.7	30	2600	0.7	3.651		47
MF73T-1 50/0.3	50	2600	0.3	7.346		47
Φ5mm						
MF73T-1 1/3.5	1	2500	3.5	0.920	1.8	110
MF73T-1 1.5/3	1.5	2500	3	0.131		110
MF73T-1 2.5/3	2.5	2500	3	0.172		110
MF73T-1 3/2.5	3	2500	2.5	0.192		110
MF73T-1 5/2.5	5	2500	2.5	0.261		110
MF73T-1 8/2	8	2600	2	0.520		110
MF73T-1 10/2	10	2600	2	0.542		110
MF73T-1 12/1.5	12	2600	1.5	0.623		110
MF73T-1 13/1.5	13	2600	1.5	0.653		110
MF73T-1 15/1.2	15	2600	1.2	0.753		110
MF73T-1 16/1.2	16	2600	1.2	1.132		110
MF73T-1 20/1	20	2600	1	1.544		110
MF73T-1 22/1	22	2600	1	1.604		110
MF73T-1 30/1	30	2600	1	1.715		68
MF73T-1 33/0.8	33	2600	0.8	1.898		68
MF73T-1 36/0.8	36	2600	0.8	1.909		68
MF73T-1 50/0.8	50	2800	0.8	2.258	68	

Part No. MF73T	R25±20% (Ω)	Thermal Index B±10%(K)	Max Steady State Current Imax(A)	Approx. R of Max.Current Rmax(Ω)	Max rated Power Pmax(W)	Max surge capacitance (μF)240V/AC
MF73T-1 60/0.6	60	2800	0.6	3.069		47
MF73T-1 100/0.6	100	3000	0.6	3.958		47
MF73T-1 200/0.3	200	3200	0.3	16.100		47
Φ8mm						
MF73T-1 0.7/7	0.7	2600	7	0.032	2.5	220
MF73T-1 1/6	1	2600	6	0.040		220
MF73T-1 1.3/6	1.3	2600	6	0.056		220
MF73T-1 1.5/6	1.5	2600	6	0.078		220
MF73T-1 2/5	2	2600	5	0.098		220
MF73T-1 2.5/5	2.5	2600	5	0.107		220
MF73T-1 3/5	3	2600	5	0.109		220
MF73T-1 4/4	4	2600	4	0.171		220
MF73T-1 5/4	5	2600	4	0.180		220
MF73T-1 6/4	6	2600	4	0.182		220
MF73T-1 7/3	7	2800	3	0.258		220
MF73T-1 8/3	8	2800	3	0.278		220
MF73T-1 10/3	10	2800	3	0.297		220
MF73T-1 12/2.5	12	2800	2.5	0.414		150
MF73T-1 15/2.5	15	2800	2.5	0.425		150
MF73T-1 16/2.5	16	2800	2.5	0.428		150
MF73T-1 20/2	20	3000	2	0.646		150
MF73T-1 22/2	22	3000	2	0.653		150
MF73T-1 30/2	30	3000	2	0.700		150
MF73T-1 33/1.5	33	3000	1.5	1.139		150
MF73T-1 47/1.5	47	3200	1.5	1.172		150
MF73T-1 50/1.5	50	3200	1.5	1.174		150
MF73T-1 60/1.2	60	3200	1.2	1.784		150
MF73T-1 80/1.2	80	3200	1.2	1.825		150
MF73T-1 120/1.2	120	3200	1.2	2.007		150
MF73T-1 200/0.8	200	3400	0.8	4.152		100
MF73T-1 220/0.8	220	3400	0.8	4.227		100
MF73T-1 400/0.5	400	3600	0.5	9.956	100	
Φ10mm						
MF73T-1 0.7/8	0.7	2600	8	0.041		470
MF73T-1 1/7	1	2600	7	0.062		470

Part No. MF73T	R25±20% (Ω)	Thermal Index B±10%(K)	Max Steady State Current I <sub>max</sub> (A)	Approx. R of Max.Current R <sub>max</sub> (Ω)	Max rated Power P <sub>max</sub> (W)	Max surge capacitance (μF)240V/AC
MF73T-1 1.3/7	1.3	2600	7	0.07		470
MF73T-1 1.5/7	1.5	2600	7	0.072		470
MF73T-1 2/6	2	2600	6	0.073		470
MF73T-1 2.5/6	2.5	2600	6	0.075		470
MF73T-1 3/6	3	2600	6	0.08		470
MF73T-1 4/5	4	2600	5	0.09		470
MF73T-1 5/5	5	2800	5	0.1		470
MF73T-1 6/5	6	2800	5	0.12		470
MF73T-1 7/4	7	2800	4	0.144		470
MF73T-1 8/4	8	2800	4	0.155		470
MF73T-1 10/4	10	2800	4	0.175	2.8	470
MF73T-1 12/4	12	2800	4	0.192		470
MF73T-1 15/3	15	2800	3	0.23		330
MF73T-1 16/3	16	2800	3	0.25		330
MF73T-1 20/3	20	3000	3	0.27		330
MF73T-1 22/3	22	3000	3	0.285		330
MF73T-1 25/2.5	25	3000	2.5	0.31		330
MF73T-1 30/2.5	30	3000	2.5	0.352		330
MF73T-1 33/2.5	33	3000	2.5	0.384		330
MF73T-1 50/2	50	3200	2	0.45		330
MF73T-1 60/2	60	3200	2	0.54		330
MF73T-1 80/2	80	3200	2	0.82		220
MF73T-1 120/1.5	120	3000	1.5	1.268		220
MF73T-1 200/1.3	200	3200	1.3	2.895		220
Φ13mm						
MF73T-1 0.7/9	0.7	2600	9	0.032	4.0	680
MF73T-1 1/9	1	2600	9	0.032		680
MF73T-1 1.3/9	1.3	2600	9	0.042		680
MF73T-1 1.5/9	1.5	2600	9	0.043		680
MF73T-1 2.5/8	2.5	2600	8	0.048		680
MF73T-1 3/8	3	2600	8	0.052		680
MF73T-1 4/7	4	2800	7	0.068		560
MF73T-1 5/7	5	2800	7	0.078		560
MF73T-1 6/6	6	2800	6	0.090		560
MF73T-1 7/6	7	3000	6	0.098		560

Part No. MF73T	R25±20% (Ω)	Thermal Index B±10%(K)	Max Steady State Current Imax(A)	Approx. R of Max.Current Rmax(Ω)	Max rated Power Pmax(W)	Max surge capacitance (μF)240V/AC
MF73T-1 8/6	8	3000	6	0.104		560
MF73T-1 10/6	10	3000	6	0.126		560
MF73T-1 12/5	12	3200	5	0.146		560
MF73T-1 15/4	15	3200	4	0.155		560
MF73T-1 16/4	16	3200	4	0.158		560
MF73T-1 20/4	20	3200	4	0.192		560
MF73T-1 30/3.5	30	3200	3.5	0.237		560
MF73T-1 47/3	47	3200	3	0.340		560
MF73T-1 60/2.5	60	3200	2.5	0.425		560
MF73T-1 80/2.5	80	3200	2.5	0.820		560
MF73T-1 120/1.8	120	3400	1.8	0.994		560
Φ15mm						
MF73T-1 0.7/11	0.7	2600	11	0.024		1000
MF73T-1 1/10.5	1	2600	10.5	0.030		1000
MF73T-1 1.3/10	1.3	2600	10	0.034		820
MF73T-1 1.5/10	1.5	2600	10	0.036		820
MF73T-1 2/9.5	2	2600	9.5	0.040		820
MF73T-1 2.5/9.5	2.5	2600	9.5	0.044		820
MF73T-1 3/9	3	2800	9	0.046		820
MF73T-1 5/8	5	3000	8	0.058		820
MF73T-1 6/7	6	3000	7	0.069		680
MF73T-1 7/7	7	3000	7	0.078		680
MF73T-1 8/7	8	3000	7	0.084	5.0	680
MF73T-1 10/7	10	3200	7	0.098		680
MF73T-1 12/6	12	3200	6	0.116		680
MF73T-1 15/6	15	3200	6	0.125		680
MF73T-1 16/6	16	3200	6	0.129		680
MF73T-1 20/6	20	3200	6	0.136		680
MF73T-1 22/5	20	3200	5			680
MF73T-1 30/5	30	3200	5	0.165		680
MF73T-1 47/4	47	3200	4	0.257		680
MF73T-1 55/4	55	3200	4	0.287		680
MF73T-1 120/2.5	120	3400	2.5	0.652		680
Φ20mm						
MF73T-1 0.7/16	0.7	2600	16	0.026	7.0	1500

Part No. MF73T	R25±20% (Ω)	Thermal Index B±10%(K)	Max Steady State Current Imax(A)	Approx. R of Max.Current Rmax(Ω)	Max rated Power Pmax(W)	Max surge capacitance (μF)240V/AC
MF73T-2 0.7/16	1	2600	16	0.026		3000
MF73T-1 1/16				0.027		1500
MF73T-2 1/16	1.5	2600	15	0.027		3000
MF73T-1 1.5/15				0.030		1500
MF73T-2 1.5/15	2	2600	14	0.030		3000
MF73T-1 2/14				0.035		1500
MF73T-2 2/14	2.5	2800	13	0.035		3000
MF73T-1 2.5/13				0.038		1500
MF73T-2 2.5/13	3	2800	12	0.038		3000
MF73T-1 3/12				0.040		1200
MF73T-2 3/12	4	2800	12	0.040		2200
MF73T-1 4/12				0.043		1200
MF73T-2 4/12	4.7	3000	12	0.043		2200
MF73T-1 4.7/12				0.046		1200
MF73T-2 4.7/12	5	3000	12	0.046		2200
MF73T-1 5/12				0.047		1200
MF73T-2 5/12	6	3000	11	0.047		2200
MF73T-1 6/11				0.052		1000
MF73T-2 6/11	6.8	3000	10	0.052		1500
MF73T-1 6.8/10				0.055		1000
MF73T-2 6.8/10	7	3000	9	0.055	1500	
MF73T-1 7/9				0.056	1000	
MF73T-2 7/9	8	3000	9	0.056	1500	
MF73T-1 8/9				0.058	1000	
MF73T-2 8/9	10	3000	8	0.058	1500	
MF73T-1 10/8				0.085	1000	
MF73T-2 10/8	12	3200	7.5	0.085	1500	
MF73T-1 12/7.5				0.098	1000	
MF73T-2 12/7.5	15	3200	7	0.098	1500	
MF73T-1 15/7				0.112	1000	
MF73T-2 15/7	18	3200	7	0.112	1500	
MF73T-1 18/7				0.123	1000	
MF73T-2 18/7	20	3200	7	0.123	1500	
MF73T-1 20/7				0.132	1000	
MF73T-2 20/7				0.132	1500	

Part No. MF73T	R25±20% (Ω)	Thermal Index B±10%(K)	Max Steady State Current Imax(A)	Approx. R of Max.Current Rmax(Ω)	Max rated Power Pmax(W)	Max surge capacitance (μF)240V/AC	
MF73T-1 25/6	25	3200	6	0.168	9.0	1000	
MF73T-2 25/6						1500	
MF73T-1 30/6	30	3200	6	0.195		1000	
MF73T-2 30/6						1500	
MF73T-1 47/5	47	3200	5	0.325		1000	
MF73T-2 47/5						1500	
MF73T-1 60/4	60	3200	4	0.525		1000	
MF73T-2 60/4						1500	
MF73T-1 120/3	120	3200	3	0.658		1000	
MF73T-2 120/3						1500	
Φ25mm							
MF73T-1 0.5/22	0.5	2600	22	0.017		9.0	2200
MF73T-2 0.5/22					3500		
MF73T-1 0.7/22	0.7	2600	22	0.018	2200		
MF73T-2 0.7/22					3500		
MF73T-1 1/20	1	2600	20	0.021	2200		
MF73T-2 1/20					3500		
MF73T-1 1.5/19	1.5	2600	19	0.024	2200		
MF73T-2 1.5/19					3500		
MF73T-1 2/18	2	2600	18	0.026	2200		
MF73T-2 2/18					3500		
MF73T-1 2.5/16	2.5	2800	16	0.029	2200		
MF73T-2 2.5/16					3500		
MF73T-1 3/15.5	3	2800	15.5	0.032	1500		
MF73T-2 3/15.5					2800		
MF73T-1 4/15	4	2800	15	0.039	1500		
MF73T-2 4/15					2800		
MF73T-1 4.7/14	4.7	3000	14	0.044	1500		
MF73T-2 4.7/14					2800		
MF73T-1 5/14	5	3000	14	0.047	1500		
MF73T-2 5/14					2800		
MF73T-1 6.8/12	6.8	3000	12	0.061	1500		
MF73T-2 6.8/12					2800		
MF73T-1 7/11	7	3000	11	0.064	1500		
MF73T-2 7/11					2800		



Part No. MF73T	R25±20% (Ω)	Thermal Index B±10%(K)	Max Steady State Current Imax(A)	Approx. R of Max.Current Rmax(Ω)	Max rated Power Pmax(W)	Max surge capacitance (μF)240V/AC
MF73T-1 8/10	8	3200	10	0.079	13	1200
MF73T-2 8/10						2200
MF73T-1 10/10	10	3200	10	0.084		1200
MF73T-2 10/10						2200
MF73T-1 10/9	12	3200	9	0.102		1200
MF73T-2 12/9						2200
MF73T-1 15/8	15	3200	8	0.117		1200
MF73T-2 15/8						2200
MF73T-1 18/8	18	3200	8	0.125		1200
MF73T-2 18/8						2200
MF73T-1 20/8	20	3200	8	0.132		1200
MF73T-2 20/8						2200
Φ30mm						
MF73T-1 0.5/30	0.5	2600	30	0.013	3000	
MF73T-2 0.5/30					4700	
MF73T-1 1/30	1	2600	30	0.014	3000	
MF73T-2 1/30					4700	
MF73T-1 1.5/25	1.5	2600	25	0.016	3000	
MF73T-2 1.5/25					4700	
MF73T-1 2/23	2	2600	23	0.019	3000	
MF73T-2 2/23					4700	
MF73T-1 2.5/20	2.5	2800	20	0.023	3000	
MF73T-2 2.5/20					4700	
MF73T-1 3/19.5	3	2800	19.5	0.026	2200	
MF73T-2 3/19.5					4700	
MF73T-1 4/19	4	2800	19	0.031	2200	
MF73T-2 4/19					4700	
MF73T-1 4.7/18	4.7	3000	18	0.035	2200	
MF73T-2 4.7/18					4700	
MF73T-1 5/17	5	3000	17	0.037	2200	
MF73T-2 5/17					4700	
MF73T-1 6/17	6	3000	17	0.042	1500	
MF73T-2 6/17					3300	
MF73T-1 6.8/16	6.8	3000	16	0.043	1500	
MF73T-2 6.8/16					3300	

Part No. MF73T	R25±20% (Ω)	Thermal Index B±10%(K)	Max Steady State Current Imax(A)	Approx. R of Max.Current Rmax(Ω)	Max rated Power Pmax(W)	Max surge capacitance (μF)240V/AC	
MF73T-1 7/15	7	3000	15	0.044	17	1500	
MF73T-2 7/15						3300	
MF73T-1 8/14	8	3200	14	0.049		1500	
MF73T-2 8/14						3300	
MF73T-1 10/13	10	3200	13	0.056		1500	
MF73T-2 10/13						3300	
MF73T-1 12/12	12	3200	12	0.067		1500	
MF73T-2 12/12						3300	
MF73T-1 15/11	15	3200	11	0.078		1500	
MF73T-2 15/11						3300	
MF73T-1 18/10	18	3200	10	0.092		1500	
MF73T-2 18/10						3300	
MF73T-1 20/9	20	3200	9	0.113		1500	
MF73T-2 20/9						3300	
Φ35mm							
MF73T-1 0.5/32	0.5	2600	32	0.01		17	3300
MF73T-2 0.5/32					4700		
MF73T-1 1/32	1	2600	32	0.011	3300		
MF73T-2 1/32					4700		
MF73T-1 1.5/28	1.5	2600	28	0.013	3300		
MF73T-2 1.5/28					4700		
MF73T-1 2/25	2	2600	25	0.017	3300		
MF73T-2 2/25					4700		
MF73T-1 2.5/23	2.5	2800	23	0.02	3300		
MF73T-2 2.5/23					4700		
MF73T-1 3/22	3	2800	22	0.023	3000		
MF73T-2 3/22					4700		
MF73T-1 4/21	4	2800	21	0.026	3000		
MF73T-2 4/21					4700		
MF73T-1 4.7/20	4.7	3000	20	0.029	3000		
MF73T-2 4.7/20					4700		
MF73T-1 5/19	5	3000	19	0.03	3000		
MF73T-2 5/19					4700		
MF73T-1 6.8/18	6.8	3000	18	0.035	2200		
MF73T-2 6.8/18					3300		

Part No. MF73T	R25±20% (Ω)	Thermal Index B±10%(K)	Max Steady State Current Imax(A)	Approx. R of Max.Current Rmax(Ω)	Max rated Power Pmax(W)	Max surge capacitance (μF)240V/AC	
MF73T-1 7/17	7	3000	17	0.037	23	2200	
MF73T-2 7/17						3300	
MF73T-1 8/16	8	3200	16	0.041		2200	
MF73T-2 8/16						3300	
MF73T-1 10/15	10	3200	15	0.045		2200	
MF73T-2 10/15						3300	
MF73T-1 12/14	12	3200	14	0.051		2200	
MF73T-2 12/14						3300	
MF73T-1 15/13	15	3200	13	0.06		2200	
MF73T-2 15/13						3300	
MF73T-1 18/11	18	3200	11	0.072		2200	
MF73T-2 18/11						3300	
MF73T-1 20/10	20	3200	10	0.089		2200	
MF73T-2 20/10						3300	
Φ40mm							
MF73T-1 0.2/40	0.2	2600	40	0.005		23	4700
MF73T-2 0.2/40							8000
MF73T-1 0.5/40	0.5	2600	40	0.008			4700
MF73T-2 0.5/40							6800
MF73T-1 1/40	1	2600	40	0.01			4700
MF73T-2 1/40					6800		
MF73T-1 1.5/36	1.5	2600	36	0.012	4700		
MF73T-2 1.5/36					6800		
MF73T-1 2/32	2	2600	32	0.014	4700		
MF73T-2 2/32					6800		
MF73T-1 2.5/30	2.5	2800	30	0.018	4700		
MF73T-2 2.5/30					6800		
MF73T-1 3/28	3	2800	28	0.02	3300		
MF73T-2 3/28					4700		
MF73T-1 4/27	4	2800	27	0.022	3300		
MF73T-2 4/27					4700		
MF73T-1 4.7/26	4.7	3000	26	0.023	3300		
MF73T-2 4.7/26					4700		
MF73T-1 5/25	5	3000	25	0.028	3300		
MF73T-2 5/25					4700		

Part No. MF73T	R25±20% (Ω)	Thermal Index B±10%(K)	Max Steady State Current Imax(A)	Approx. R of Max.Current Rmax(Ω)	Max rated Power Pmax(W)	Max surge capacitance (μF)240V/AC
MF73T-1 6.8/23	6.8	3000	23	0.03		3000
MF73T-2 6.8/23						4700
MF73T-1 8/20	8	3200	20	0.034		3000
MF73T-2 8/20						4700
MF73T-1 10/19	10	3200	19	0.038		3000
MF73T-2 10/19						4700
MF73T-1 12/18	12	3200	18	0.04		3000
MF73T-2 12/18						4700
MF73T-1 15/16	15	3200	16	0.05		3000
MF73T-2 15/16						4700
MF73T-1 18/14	18	3200	14	0.062		3000
MF73T-2 18/14						4700
MF73T-1 20/13	20	3200	13	0.075		3000
MF73T-2 20/13						4700