

3-2 Triacs

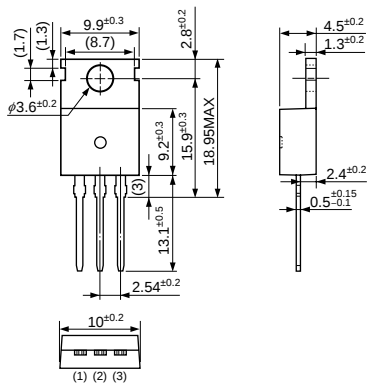
Triacs

Part Number	Absolute Maximum Ratings															
	V _{DRM}	I _T (RMS)		I _{TSM}		P _{GM}	P _G (AV)	I _{GM}	T _J	T _{stg}	I _{DRM1} (mA) max	Conditions	I _{DRM2} (mA) max	Conditions	V _{TM} (V) max	Conditions I _{TM} (A)
	(V)	(A)	Conditions T _c (°C)	(A)	Conditions	(W)	(W)	(A)	(°C)	(°C)						
TMA34S-L	400	3	109	30	125	3	0.3	0.5	-40 to +125		0.1		2		1.5	4.5
TMA54S-L	400	5	102	50	125	5	0.5	2	-40 to +125		0.1		2		1.5	7
TMA84S-L	400	8	92	80	125	5	0.5	2	-40 to +125		0.1		2		1.5	12
TMA104S-L	400	10	85	100	125	5	0.5	2	-40 to +125		0.1		2		1.5	14
TMA124S-L	400	12	77	120	125	5	0.5	2	-40 to +125		0.1		2		1.5	17
TMA164S-L	400	16	66	160	125	5	0.5	2	-40 to +125		0.1		2		1.45	20
TMA164P-L	400	16	108	160	125	5	0.5	2	-40 to +125		0.1		2		1.4	20
TMA164B-L	400	16	98	160	125	5	0.5	2	-40 to +125		0.1		2		1.4	20
TMA204S-L	400	20	53	190	125	5	0.5	2	-40 to +125		0.1		2		1.4	20
TMA254B-L	400	25	83	250	125	5	0.5	2	-40 to +125		0.1		2		1.3	20
STA203A	400	1.2×3	97	10	125	1.2	0.1	0.5	-40 to +125		0.1		1		1.6	1.6
TMA36S-L	600	3	109	30	125	3	0.3	0.5	-40 to +125		0.1		2		1.5	4.5
TMA36G-L	600	3	115	30	25	3	0.5	0.5	-40 to +125		0.1		2		1.5	4.5
TMA36H-L	600	3	109	30	25	3	0.5	0.5	-40 to +125		0.1		2		1.5	4.5
TMA56S-L	600	5	102	50	125	5	0.5	2	-40 to +125		0.1		2		1.5	7
TMA56G-L	600	5	111	50	25	5	0.5	2	-40 to +125		0.1		2		1.5	7
TMA56H-L	600	5	101	50	25	5	0.5	2	-40 to +125		0.1		2		1.5	7
TMA86S-L	600	8	92	80	125	5	0.5	2	-40 to +125		0.1	25°C	2	125°C	1.5	12
TMA86G-L	600	8	107	80	25	5	0.5	2	-40 to +125		0.1		2		1.5	12
TMA86H-L	600	8	91	80	25	5	0.5	2	-40 to +125		0.1		2		1.5	12
TMA106S-L	600	10	85	100	125	5	0.5	2	-40 to +125		0.1		2		1.5	14
TMA106G-L	600	10	105	100	25	5	0.5	2	-40 to +125		0.1		2		1.5	14
TMA106H-L	600	10	83	100	25	5	0.5	2	-40 to +125		0.1		2		1.5	14
TMA126S-L	600	12	77	120	125	5	0.5	2	-40 to +125		0.1		2		1.5	17
TMA126G-L	600	12	103	120	25	5	0.5	2	-40 to +125		0.1		2		1.5	17
TMA126H-L	600	12	78	120	25	5	0.5	2	-40 to +125		0.1		2		1.5	17
TMA166S-L	600	16	66	160	125	5	0.5	2	-40 to +125		0.1		2		1.45	20
TMA166G-L	600	16	100	160	25	5	0.5	2	-40 to +125		0.1		2		1.45	20
TMA166H-L	600	16	65	160	25	5	0.5	2	-40 to +125		0.1		2		1.45	20
TMA166P-L	600	16	108	160	125	5	0.5	2	-40 to +125		0.1		2		1.4	20
TMA166B-L	600	16	98	160	125	5	0.5	2	-40 to +125		0.1		2		1.4	20
TMB166S-L	600	16	94	160	125	5	0.5	2	-40 to +150		0.1		2		1.45	20
TMA206S-L	600	20	53	190	125	5	0.5	2	-40 to +125		0.1		2		1.4	20
TMB206S-L	600	20	85	200	125	5	0.5	2	-40 to +150		0.1		2		1.4	20
TMA256B-L	600	25	83	250	125	5	0.5	2	-40 to +125		0.1		2		1.3	20

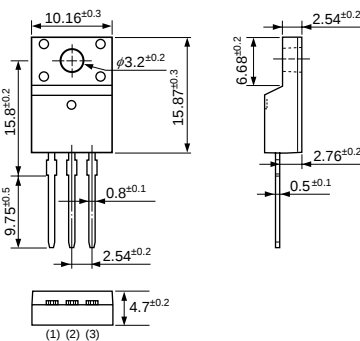
Electrical Characteristics (T _J = 25°C, unless otherwise specified)																					
	V _{GT}					I _{GT}					V _{GD}	Conditions		(dv/dt) c			R _{th (j-c)}	Package	Mass		
	Mode I (T2+, G+) (V) max	Mode II (T2+, G–) (V) max	Mode III (T2–, G–) (V) max	Conditions		Mode I (T2+, G+) (mA) max	Mode II (T2+, G–) (mA) max	Mode III (T2–, G–) (mA) max	Conditions			T _J (°C)	V _O (V)	(V/us) min	Conditions				T _J (°C)	(°C/W) max	
				V _D (V)	R _L (Ω)				T _J (°C)	V _O (V)					(dv/dt) c (–A/ms)						
	1.5	1.5	1.5	12	20	20	20	20	12	20	0.2	125	1/2V _{DRM}	5	1.5	125	4.5	TO220F	2.0		
	1.5	1.5	1.5	12	20	20	20	20	12	20	0.2	125	1/2V _{DRM}	5	2.5	125	4	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	4	125	3.7	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	5	125	3.6	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.1	125	1/2V _{DRM}	10	6	125	3.5	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	8	125	3.3	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	8	125	1.2	TO3P	6.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	8	125	1.8	TO3PF	6.5		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	10	125	3.2	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	12	125	1.6	TO3PF	6.5		
	3.5	1.2	1.2	6	10	3	3	3	6	10	0.2	125	1/2V _{DRM}	1		125	20	STA8pin	2.0		
	1.5	1.5	1.5	12	20	15/20	15/20	15/20	12	20	0.2	125	1/2V _{DRM}	5	1.5	125	4.5	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	5	1.5	125	3	TO220	2.5		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	5	1.5	125	4.6	TO220F-A	2.0		
	1.5	1.5	1.5	12	20	15/20	15/20	15/20	12	20	0.2	125	1/2V _{DRM}	5	2.5	125	4	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	5	2.5	125	2.5	TO220	2.5		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	5	2.5	125	4.2	TO220F-A	2.0		
	1.5	1.5	1.5	12	20	20/30	20/30	20/30	12	20	0.2	125	1/2V _{DRM}	10	4	125	3.7	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	4	125	2	TO220	2.5		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	4	125	3.8	TO220F-A	2.0		
	1.5	1.5	1.5	12	20	20/30	20/30	20/30	12	20	0.2	125	1/2V _{DRM}	10	5	125	3.6	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	5	125	1.8	TO220	2.5		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	5	125	3.7	TO220F-A	2.0		
	1.5	1.5	1.5	12	20	20/30	20/30	20/30	12	20	0.2	125	1/2V _{DRM}	10	6	125	3.5	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	6	125	1.6	TO220	2.5		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	6	125	3.5	TO220F-A	2.0		
	1.5	1.5	1.5	12	20	20/30	20/30	20/30	12	20	0.2	125	1/2V _{DRM}	10	8	125	3.3	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	8	125	1.4	TO220	2.5		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	8	125	3.3	TO220F-A	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	8	125	1.2	TO3P	6.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	8	125	1.8	TO3PF	6.5		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	10	125	3.0	TO220F	2.0		
	1.5	1.5	1.5	12	20	20/30	20/30	20/30	12	20	0.2	125	1/2V _{DRM}	10	10	125	3.2	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	10	125	2.7	TO220F	2.0		
	1.5	1.5	1.5	12	20	30	30	30	12	20	0.2	125	1/2V _{DRM}	10	12	125	1.6	TO3PF	6.5		

Package Type (Dimensions)

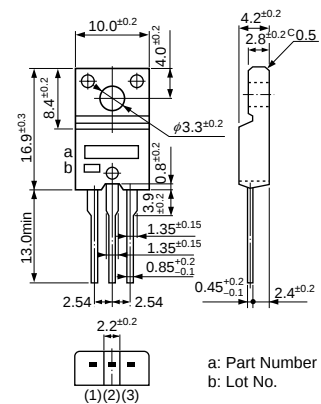
• TO-220



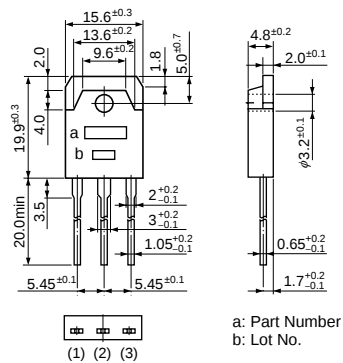
• TO-220F-A



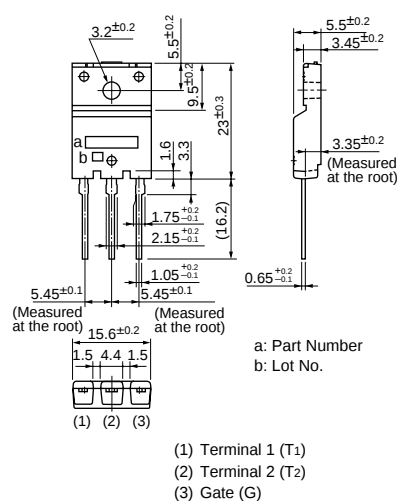
• TO-220F



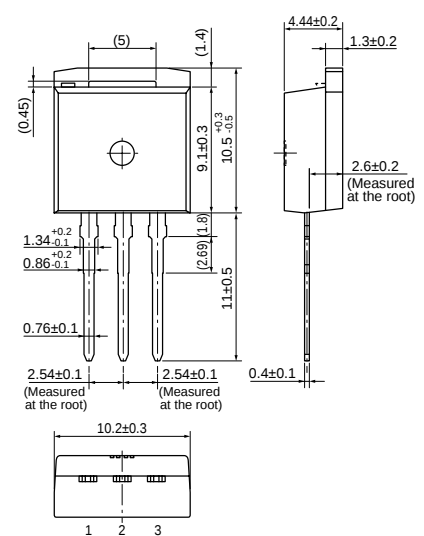
• TO-3P



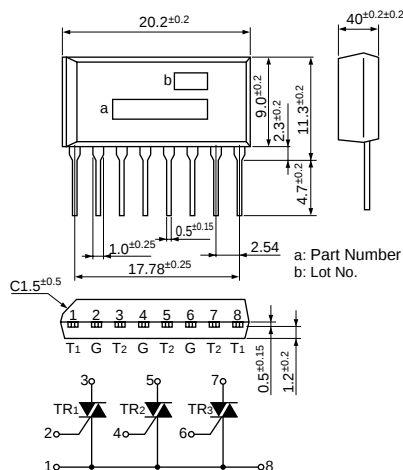
• TO-3PF



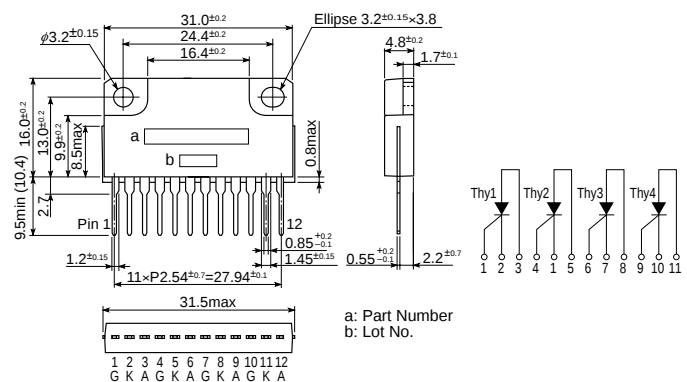
• TO-220S Straight



• STA8Pin



• SLA12Pin



(Unit: mm)