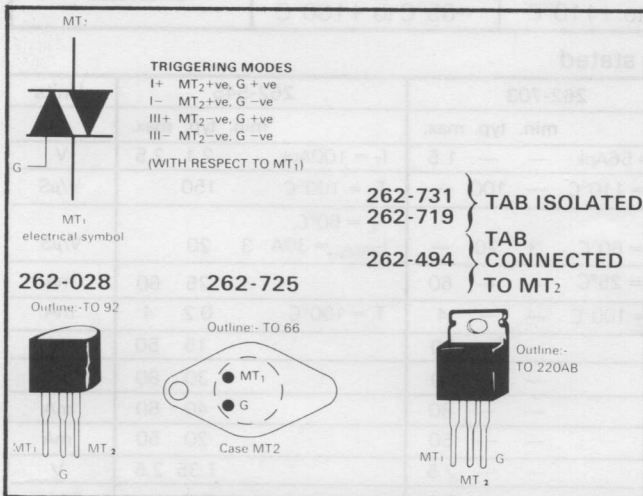


A range of triacs suitable for use in power control, lamp dimming and heater control circuits. T0-92, T0-66, tab mounting and stud mounting versions available.



Features

- T0-92 plastic: 400 V
- T0-66 outline: 400 V
- tab mounting: 400/800 V
- stud mounting: 400/1200 V

List of near equivalents

Old types	New types
261-340 (TRI 400-6)	262-725 (T2700D)
261-801 (TRI 400-8)	262-719 (T2850D)
262-220 (TRI 800-8)	262-731 (TRI 800-8)
261-968 (TRI 500-40)	262-703 (2N5446)

Absolute maximum ratings Note 1: V_{DRM} at T_j Max

	262-028	262-725	262-719	262-731	262-494
V _{DRM} ¹	±400V	±400V	±400V	±800V	±600V
I _T (RMS)	(T _A ≤ 45°C) 350mA	(T _C ≤ 75°C) 6A	(T _C = 80°C) 8A	(T _C ≤ 57°C) 8A	(T _{mb} ≤ 97°C) 15A
I _{TSM}	(T _J ≤ 125°C) 6A	(T _C = 75°C) 85A	(T _C = 80°C) 85A	70A	(T _{mb} ≤ 82°C) 115A
di/dt	50A/μs	100A/μs	70A/μs	100A/μs	30A/μs
I _{GTM}	2A	4A	4A	2A	—
P _{GM}	1W	16W	16W	5W	5W
P _{G(AV)}	0.1W	0.2W	0.325W	0.5W	0.5W
T _{stg}	-40°C to +150°C	-65°C to +150°C	-65°C to +150°C	-40°C to +125°C	-40°C to +125°C
T _J	-40°C to +125°C	-65°C to +100°C	-65°C to +100°C	-40°C to +125°C	-40°C to +110°C

Electrical characteristics At T_C = 25°C unless otherwise stated

Stock No.	262-028	262-725	262-719	262-731	262-494	Units
	min. typ. max.	min. typ. max.	min. typ. max.	min. typ. max.	min. typ. max.	
V _{TM}	I _T = 1 Apk — 1.4 1.7	I _T = 30Apk — — 2.25	I _T = 30Apk — 1.7 2	I _T = 15Apk — — 1.55	I _T = 20 Apk — — 1.6	V
dV/dt	T _J = 125°C 20 — —	T _C = 100°C — 100 —	T _C = 100°C 75 250 —	T _J = 105°C 500 — —	T _J = 110°C — — 50	V/μS
dV/dt (COMM)	T _C = 65°C I _T = 0.6Apk 1.5 — —	T _C = 75°C — 10 —	T _C = 80°C 4 10 —	T _C = 85°C 5 — —	T _{mb} = 95°C — — 4	V/μS
I _H	— — 10	— — 30	15 30	— — 50	— — 30	mA
I _{DRM}	T _C ≤ 125°C — — 0.05	T _J = 100°C — — 4	T _J = 100°C — 0.1 2	T _J = 105°C — — 1.5	T _J = 85°C — — 0.5	mA
I _{GT} I+	— — 5	— — 25	— 10 25	— — 50	35 — —	mA
I-	— — 10	— — 40	— 20 60	— — 50	35 — —	mA
III+	— — 10	— — 40	— 30 60	— — 50	50 — —	mA
III-	— — 5	— — 25	— 15 25	— — 50	35 — —	mA
V _{GT}	— — 2	— — 2.2	— 1.25 2.5	— — 2.5	1.5 — —	V
θ _{ic}	100	— — 4	— — 3.1	— — 5	0.75	°C/W
Style	TO-92	TO-66	TO220 ISO-TAB	TO-220 ISO-TAB	TO-220 Tab	—

