

MEDIUM POWER THYRISTORS & TRIACS < 100 A

STANDARD THYRISTORS PLASTIC CASE

Type See NOTE	I _O (A)	V _R RM = V _D RM (V)	I _T SM (A)	I _R RM @ V _R RM I _D RM @ V _D RM T _j max max (mA)	T _{amb} = 25°C					dv/dt @ 67% V _D RM T _j max min (V/μs)	di/dt max (A/μs)	Package
					V _{GT} max (V)	I _{GT} max (mA)	I _H max (mA)	V _{TM} / I _{TM} max (V) (A)				

4 Arms / T_{case} = 90°C T_j = 110°C I²t = 24.5 A² s

TXN / TYN 054 → 1004	2.5	50 → 1000	70	1	1.5	15	30	1.8	8	200	50	TO 220 AB
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6 Arms / T_{case} = 80°C T_j = 110°C I²t = 32 A² s

TXN / TYN 056 → 1006	3.8	50 → 1000	80	1	1.5	15	30	1.6	12	200	50	TO 220 AB
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8 Arms / T_{case} = 75°C T_j = 110°C I²t = 32 A² s

TXN / TYN 058 → 1008★	5	50 → 1000	80	1	1.5	Without suffix : 15 suffix G : 25 suffix K : 40	30 45 60	1.6	16	Without suffix : 200 suffix G : 500 suffix K : 750	50	TO 220 AB
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10 Arms / T_{case} = 75°C T_j = 110°C I²t = 50 A² s

TXN / TYN 0510 → 1010	6.4	50 → 1000	100	1	1.5	15	30	1.6	20	200	50	TO 220 AB
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12 Arms / T_{case} = 80°C T_j = 125°C I²t = 72 A² s

TXN / TYN 0512 → 1012	8	50 → 1000	120	2 (1) 3 (2)	1.5	15	30	1.6	24	200	100	TO 220 AB
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16 Arms / T_{case} = 90°C T_j = 125°C I²t = 128 A² s

TYN 0516 → 816	10	50 → 800	160	2	1.5	25	40	1.6	32	500	100	TO 220 AB
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20 Arms / T_{case} = 85°C T_j = 125°C I²t = 200 A² s

TYN 682 TYN 683 TYN 685 TYN 688 TYN 690 TYN 692	13	50 100 200 400 600 800	200	2	1.5	25	40	1.4	50	500	100	TO 220 AB
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25 Arms / T_{case} = 90°C T_j = 125°C I²t = 450 (1) - 310 (2) A² s

TYN 225 → 1225	16	200 → 1200	300 (1) 250 (2)	2.5 (1) 5 (2)	1.5	40	50	1.6	50	500 (1) 250 (2)	100	TO 220 AB
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★ With suffixes G, K.
 (1) V_{DRM} ≤ 800 V. (2) V_{DRM} ≥ 1000 V.
NOTE : TXN insulated (insulating voltage = 2500 V_{RMS}).
TYN uninsulated.
ORDERING INFORMATION - EXAMPLE : TYN 408 G for 400 V.