

MEDIUM POWER THYRISTORS & TRIACS < 100 A

STANDARD THYRISTORS PLASTIC CASE

Type See NOTE	I _O (A)	V _{RRM} = V _{DRM} (V)	I _{TSM} (A)	I _{RM} @ V _{RRM} I _{DM} @ V _{DRM} T _j max max (mA)	T _{amb} = 25°C					d _v /d _t @ 67% V _{DRM} T _j max min (V/μs)	d _i /d _t max (A/μs)	Package
					V _{GT} max (V)	I _{GT} max (mA)	I _H max (mA)	V _{TM} / I _{TM} max (V) (A)				

30 Arms / T_{case} = 75°C T_j = 125°C I²t = 800 (1) - 450 (2) A² s

BTW 68-200 → 1200	16	200 → 1200	400 (1) 300 (2)	3	1.5	50	75	2.1	60	500 (1) 250 (2)	100	TOP 3
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30 Arms / T_{case} = 65°C T_j = 110°C I²t = 800 A² s

BTW 66-200 → 1200	20	200 → 1200	400	3	1.5	50	75	2.2	60	500 (1) 250 (2)	100	RD 91
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35 Arms / T_{case} = 75°C T_j = 125°C I²t = 800 (1) - 450 (2) A² s

BTW 68-200 N → 1200 N	22	200 → 1200	400 (1) 300 (2)	3	1.5	50	75	2.25	70	500 (1) 250 (2)	100	TOP 3
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40 Arms / T_{case} = 65°C T_j = 110°C I²t = 1250 A² s

BTW 67-200 → 1200	25	200 → 1200	500	6	1.5	80	150	2	80	500 (1) 250 (2)	100	RD 91
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50 Arms / T_{case} = 70°C T_j = 125°C I²t = 1250 (1) - 800 (2) A² s

BTW 69-200 → 1200	32	200 → 1200	500 (1) 400 (2)	6	1.5	80	150	1.9	100	500 (1) 250 (2)	100	TOP 3
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55 Arms / T_{case} = 70°C T_j = 125°C I²t = 1250 (1) - 800 (2) A² s

BTW 69-200 N → 1200 N	35	200 → 1200	500 (1) 400 (2)	6	1.5	80	150	2	110	500 (1) 250 (2)	100	TOP 3
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70 Arms / T_{case} = 70°C T_j = 125°C I²t = 2450 A² s

BTW 70-200 N → 600 N	45	200 → 600	700	3	1.5	80	150	2.2	140	500	100	TOP 3
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(1) V_{DRM} ≤ 800 V. (2) V_{DRM} ≥ 1000 V

NOTE: BTW insulated (insulating voltage = 2500 V_{RMS}).

BTW + suffix N uninsulated.

V_{DRM}: 200 · 400 · 600 · 800 · 1000 · 1200.

ORDERING INFORMATION - EXAMPLE: BTW 69-800 N.