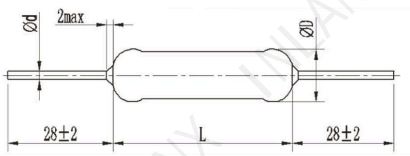
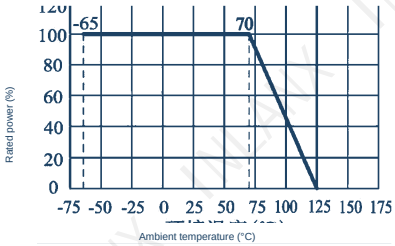
TRY-A Pyrotechnic Initiator Current Limiter Resistor

Outline Drawing



Derating Curve





Grades YC, J, QJB, QJB/K, CAST, SAST and YG. YC: Q/QJA 20086/17-2021; J/QJB: Q/RU 20086-2002 (0.25–1W) or Q/RU 20086.1-2007 (2W); CAST: CASTPS 01/004A-2017; SAST: SASTYPS 0501/0009-2015; YG additionally QZJ 84061; general GJB 1929-1994.

Dimensions • mm

Power W	Lmax	ΦDmax	Φd	Leads each side
0.25	7.0	2.5	0.60±0.05	28±2
0.5	10.5	3.9	0.60±0.05	28±2
1	13.0	4.5	0.80±0.05	28±2
2	17.0	6.5	0.80±0.05	28±2

Transient Overload and Electrical Ratings

CAST grade: 3 pulse events at intervals ≥1min; others: one. Fusing means current falls below 1/50 of initial test current.

Power W	Resistance Ω	Tolerance %	Pulse power W	Time ms	Fuse s	TCR ×10□□/K
0.25	1–10	±5	50	200	0.2–5	≤±500
0.5	1–10	±5	100	200	0.2–5	≤±500
1	1–10	±5	200	200	0.2–5	≤±500
2	1–30	±5	400	200	0.2–5	≤±500

Main Inspection Items

Item	Test method	Requirement
Thermal shock	-65 to 125°C, 5 cycles	ΔR≤±(2%R+0.05Ω)
Low-temp operation	-65°C, UR, 45min	ΔR≤±(2%R+0.05Ω)
Lead strength	Pull 10/15/20N; twist 360° 3 times	ΔR≤±(1.5%R+0.05Ω)
Specified shock	500m/s², 11ms, half-sine, 10 times	ΔR≤±(2%R+0.05Ω)
High-frequency vibration	10–2000Hz, 0.75mm, 150m/s², 8h	ΔR≤±(2%R+0.05Ω)
Overload	2.5UR, 5s	ΔR≤±(2%R+0.05Ω)
Dielectric withstand	V-block AC rms: 0.25W 200V, 0.5W 250V, 1W 300V, 2W 350V, 5W 500V, 1min	ΔR≤±(1%R+0.05Ω)
Solderability	235±2°C, 5s	Tin coverage ≥95%
Moisture resistance	RH80–98%, -10 to 65°C, 24h/cycle, 10 cycles	ΔR≤±(4%R+0.05Ω)
Insulation resistance	100V DC	Ri≥10GΩ
Soldering heat	350±10°C, 3–3.5s	ΔR≤±(2%R+0.05Ω)
Life	70±5°C, UR, 1000h	ΔR≤±(4%R+0.05Ω)
Transient overload	As rated; CAST 3 times, others once	ΔR≤±5%R; fuse in 0.2–5s

Ordering Information

TRY-A-1W-1Ω-J

TRY-A / power / nominal resistance / tolerance code J±5%.