

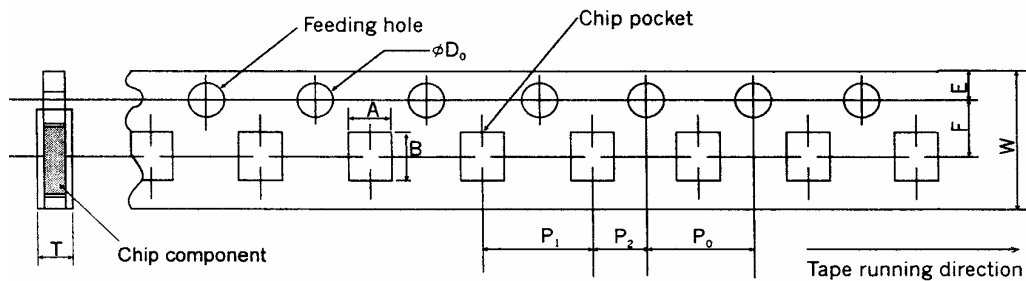


THICK FILM CHIP RESISTOR

PERFORMANCE CHARACTERISTICS

TEST ITEM	MAX RESISTANCE CHANGES	TEST CONDITIONS
Temperature coefficient (ppm/°C)	R<10Ω -100~+600PPM 10Ω ≤ R ≤ 1MΩ ±250PPM 1MΩ < R -300~+100PPM	Measuring temperature +20/-55/+20/+120°C
Short time overload	±(1%+0.05Ω) Max.	Rated voltage x 2.5 times for 5 seconds
Insulation resistance	10,000MΩ Min.	DC500V, V block, 1 min.
Terminal strength pull	±(1%+0.05Ω) Max. No mechanical damage	Pulling test: 500g load for 10 seconds
Board bending	±(1%+0.05Ω) Max. No mechanical damage	Bending test: 5/90mm bent for 10 seconds
Temperature cycling	±(1%+0.05Ω) Max. No mechanical damage	-55°C (30 min) to +125°C (30min) 5 cycles
Load life in moisture	±(3%+0.1Ω) Max. No mechanical damage	At 40°C, 90~95% RH, rated voltage with the cycle of 1.5hrs on and 0.5hrs off 1000hrs
Load life	±(3%+0.1Ω) Max. No mechanical damage	At 70°C rated voltage with the cycle of 1.5hrs on and 0.5hrs off 1000hrs
Resistance to soldering heat	±(1%+0.05Ω) Max. No mechanical damage	260°C for 10 seconds
Dry heat	±(3%+0.1Ω) Max. No mechanical damage	125°C for 1000hrs
Solderability	New solder shall cover at least 95%	230°C for 3 seconds flux applied
Dielectric withstanding voltage	No insulation breakdown	500V, 1min
Vibration	±(1%+0.05Ω) Max.	10~55Hz. 3 directions, each 2hrs.

TAPING DIMENSIONS (unit: mm)



Model	A±0.1	B±0.1	W±0.2	E±0.1	F±0.05	P0±0.1	P1±0.05	P2±0.05	D0+0.1-0	T±0.1
PR0402	0.65	1.15	8.0	1.75	3.5	4.0	2.0	2.0	1.5	0.53
PR0603	1.10	1.9	8.0	1.75	3.5	4.0	4.0	2.0	1.5	0.60
PR0805	1.65	2.4	8.0	1.75	3.5	4.0	4.0	2.0	1.5	0.75
PR1206	1.90	3.5	8.0	1.75	3.5	4.0	4.0	2.0	1.5	0.75

REEL DIMENSIONS (unit: mm)

Model	A +0-3	B+1 -0	C±0.2	W±0.3	T±1
PR0402/0603/0805/1206	180	60	13.0	9.0	11.4

Standard packing: 5,000pcs per Reel

