

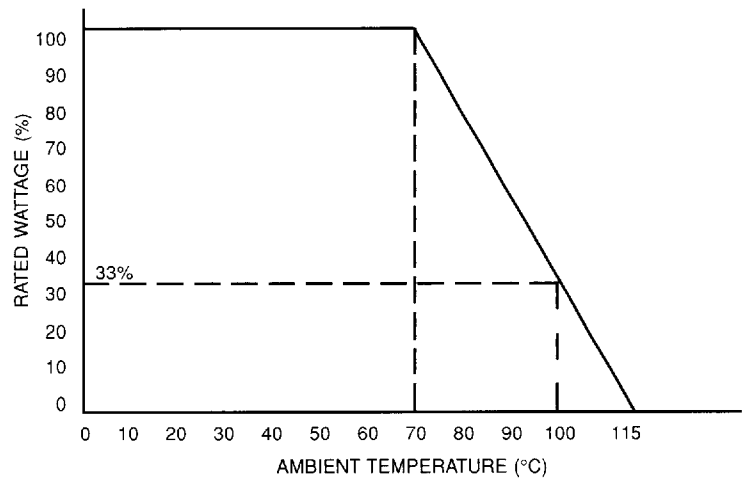
FEATURES

- Miniature Size 3.8mm x 4.6mm
- Eleven Different Types/Configurations
- Available on Tape & Reel

PHYSICAL CHARACTERISTICS

- Rotational Angle: 270° ± 20°
- Single Turn
- Setting Torque: 20 to 200 gm/cm
- Terminal Strength: > 500 gms
- End Stop: None

DERATING CURVE



SPECIFICATIONS

Resistance Values (ohms): 100 to 1 Meg

100, 150, 220, 330, 470, 680
1K, 1.5K, 2.2K, 3.3K, 4.7K, 6.8K
10K, 15K, 22K, 33K, 47K, 68K
100K, 150K, 220K, 330K, 470K, 680K
1M

Standard Tolerance: ±30%

Standard Taper: (B) Linear

Residual Resistance: ≤10Ω - 100Ω to 1000Ω, inc.;
≤1% of nominal > 1000Ω

Power Rating: 0.2 Watts at 70°C

Maximum Working Voltage: 100 Volts

Operating Temperature Range: -30°C to 100°C

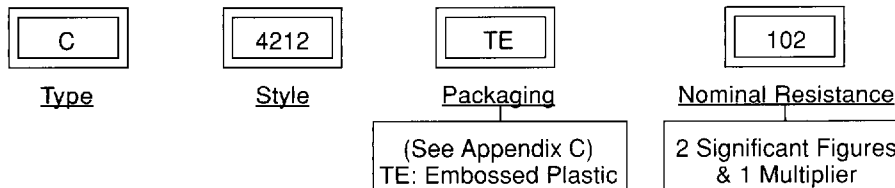
Temperature Coefficient: ±250 ppm/°C

Note: These trimpots are not recommended for wave (flow) soldering.

STANDARD APPLICATIONS

PART DESIGNATION	POWER RATING @ 70°C	T.C.R. /°C	RESISTANCE CHANGE CHARACTERISTICS	RESISTANCE RANGE E-6	RESISTANCE TOLERANCE	ABSOLUTE MAXIMUM WORKING VOLTAGE	OPERATING TEMPERATURE RANGE	OPERATION TORQUE
All Styles except C4315	0.2W	±250 ppm	B (LINEAR)	100Ω - 1MΩ	± 30%	100V	-30°C ~ +100°C	20 ~ 200 gm/cm
C4315	0.1W				±25%	50V		

ORDERING & SPECIFYING INFORMATION*

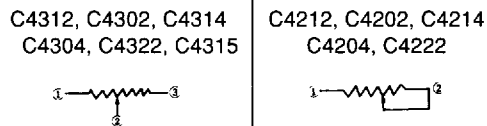


*Please Note: KSE's Part Numbers Do Not Contain any Spaces or Hyphens.

MECHANICAL SPECIFICATIONS

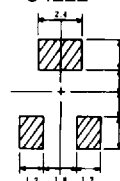
TYPE	OPEN FRAME	TYPE	OPEN FRAME	TYPE	OPEN FRAME (Bottom Adjustable)
C4202		C4212		C4222	
C4204		C4214		C4322	
C4302		C4312		TYPE EXPOXY MOLDED	
C4304		C4314		C4315	

EQUIVALENT CIRCUIT

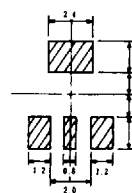


RECOMMENDED PADS

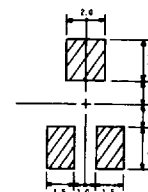
C4202, C4212, C4204,
C4214, C4304, C4314
C4222



C4302, C4312, C4322



C4315



CHARACTERISTICS

PARAMETER	LIMITS	CONDITION
High Temperature Exposure	±0.5%	240 ± 8 hours at 100 ± 3°C - no load
Rotational Life	±5%	100 ± 2 slider cycles over 90° of the effective rotation angle at 6 seconds per turn & return - no load
Moisture/Load	±2%	Rated voltage, 1 1/2 hours On - 1/2 hours Off for 350 ± 10 hours at 40° ± 2°C, 90 - 95% RH
Load Life	±1%	Rated voltage, 1 1/2 hours On - 1/2 hours Off for 1000 ± 12 hours at 70° ± 2°C Condition at 70°C for 8 hours to initialize
Temperature Cycling	±0.5%	5 cycles - 1/2 hour at -30°C ± 3°C, 1/4 hour at 25° ± 2°C, 1/2 hours at 100° ± 3°C, 1/4 hour at 25° ± 2°C
Effect of Solder Heat	±1.5%	5 ± 1 seconds immersion of terminals in Sn 63 solder at 250° ± 5°C
Insulation Resistance	1 x 10 ⁴ megohm minimum	Charge at 500 volts
Dielectric Strength	500 vac. minimum	1 minute