KOA SPEER ELECTRONICS, INC.

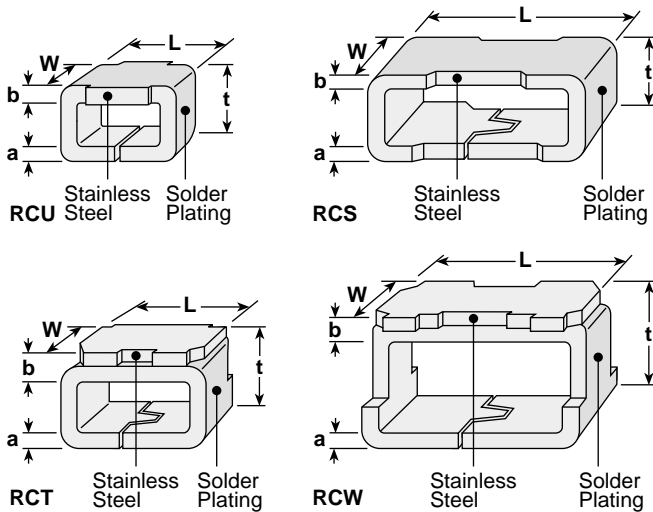## features

- Surface-mountable chip type test terminal
- Automatic machine insertable
- Suitable for reflow and wave soldering
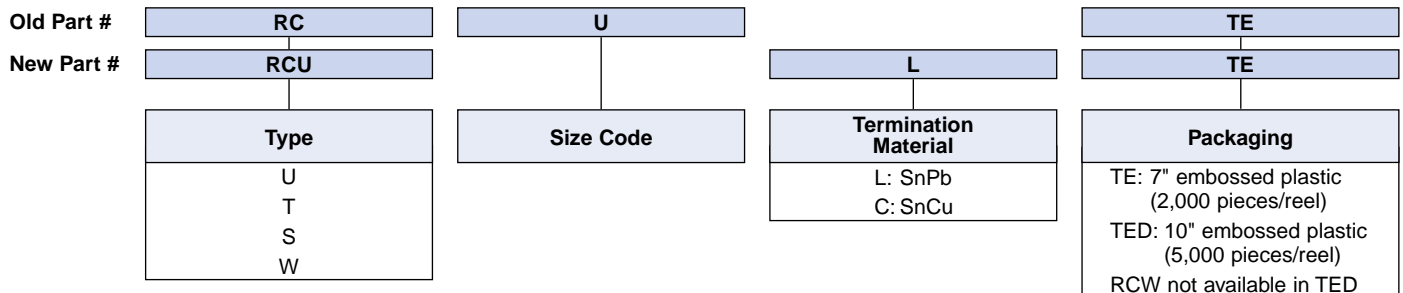- Available in three standard sizes: 0603, 0805 or 1206

dimensions and construction

RCU Stainless Steel / Solder Plating

RCS Stainless Steel / Solder Plating

RCT Stainless Steel / Solder Plating

RCW Stainless Steel / Solder Plating

Note: Top surfaces of RCT and RCW are not solderable.

Type (Inch Size Code)	Dimensions inches (mm)				
	L	W	t	a	b
RCU (0603)	.063 (1.6)	.031 (0.8)	.045 (1.15)	.009 (0.23)	.009 (0.23)
RCT (0805)	.079 (2.0)	.049 (1.25)	.057 (1.45)	.009 (0.23)	.018 (0.45)
RCS (1206)	.126 (3.2)	.063 (1.6)	.049 (1.25)	.008 (0.2)	.008 (0.2)
RCW (1206)	.126 (3.2)	.063 (1.6)	.079 (2.0)	.009 (0.23)	.018 (0.45)

ordering information

Old Part #	RC	U		TE
New Part #	RCU		L	TE

Type	Size Code	Termination Material	Packaging
U T S W		L: SnPb C: SnCu	TE: 7" embossed plastic (2,000 pieces/reel) TED: 10" embossed plastic (5,000 pieces/reel) RCW not available in TED

For further information on packaging,
please refer to Appendix A.

applications and ratings

Part Designation	Rated Current	Standard Resistance	Rated Ambient Temperature	Operating Temperature Range
RCU				
RCT	2 Amps	Less than 50mΩ	+70°C	-55°C to +125°C
RCS				
RCW				

environmental applications

Performance Characteristics

Parameter	Requirement Δ R		Test Method
	Limit	Typical	
Resistance	50mΩ Max. after the test	10mΩ Max. after the test	25°C
Overload			Rated voltage x 2.5 or max. overload voltage for 5 seconds, whichever is less
Resistance to Solder Heat			260°C ± 5°C, 10 seconds ± 1 second
Rapid Change of Temperature			-55°C (30 minutes), +125°C (30 minutes), 100 cycles
Moisture Resistance	100mΩ Max. after the test		40°C ± 2°C, 90 - 95% RH, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
Endurance at 70°C			70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
Low Temperature Operation	50mΩ Max. after the test		-55°C, 1 hour
High Temperature Exposure			+125°C, 100 hours