

lead free **QUALITEK** soldering

Rosin Core (RA300) Lead Free Wire Solder

Qualitek RA300 is an activated rosin cored solder wire developed for general hand soldering applications. Utilizing refined resin and a very effective activator, RA300 performs extremely well on hard to solder parts and surfaces in conjunction with high temperature lead free solder.

Qualitek RA300 is suitable for use in any commercial hand soldering application that specifies compliance to J-STD-004 ROM1. It is suited to such areas of industry as TV, Audio equipment, Video / DVD, toys and games and all types of household appliances.

Part No.	Alloy Tin/Silver/Copper	Size Gauge	Dia. Inches	% of Flux	Roll Size
50-94021	96.5 / 3.0 / 0.5	21	.032	2.2	1 Lb.
50-94521	96.5 / 3.0 / 0.5	21	.032	2.2	1/2 Lb.
50-94018	96.5 / 3.0 / 0.5	18	.050	2.2	1 Lb.
50-94518	96.5 / 3.0 / 0.5	18	.050	2.2	1/2 Lb.
50-94500	96.5 / 3.0 / 0.5	21	.032	2.2	8 oz. Dispenser Pack



Physical Property Alloy Analysis

Melting point, °C	217-221°C	Tensile strength, psi	4312	Electrical Resistivity (μohm - cm)	13.0	Coefficient of Thermal Expansion	Pure Sn=23.5
Hardness, Brinell	15HB	Density, g / cc	7.39	Electrical Conductivity, % IACS	16.6		

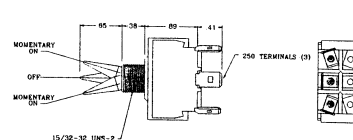
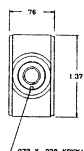
SPECIFICATIONS:

Current Rating:	20A @ 125V AC, 10A @ 250V AC
Initial Contact Resistance:	20 Meg ohm (Max.)
Insulation Resistance:	100 Meg ohm (Min.)
Dielectric Strength:	1000V AC for 1 minute
Contact Material:	Brass
Terminal Material:	Brass
Terminal Type:	.250" Quick Connect

Part No.	Type	Action			Actuator
30-159	DPDT	(ON)	OFF	(ON)	Nylon

NOTE: () = Momentary

AUTOMOTIVE/MARINE TOGGLE SWITCHES



Mounting Hole: 0.500"



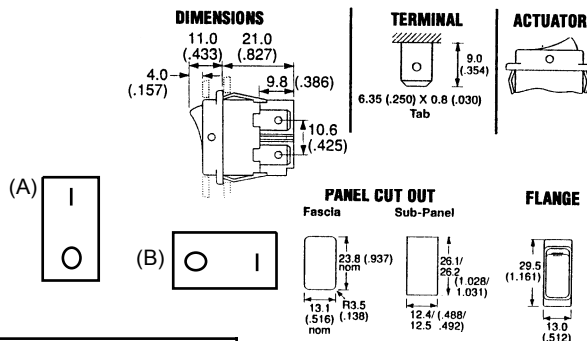
SPECIFICATIONS:

ELECTRICAL RATINGS:

16A	125-250V AC 65C	UL E45221
1HP	30V DC	UL/CSA
1/2A	125V AC	UL/CSA
10A	125-250V AC 65C	CSA LR10990
10 (6)A	250V AC T100	VDE 75171
75A	Inrush	EN61058-1
10A	28V DC	Approvals N/A

MATERIALS:

Body:	Nylon 6.6
Actuator:	Nylon 6.6
Contact Gap:	3mm (.118)
Contact Material:	Silver Alloy



Part No.	Type	Action			Actuator
30-250	DPST	ON	-	OFF	Black Nylon w/White Legend (A)
30-252	DPST	ON	-	OFF	Black Nylon w/White Legend (B)
30-16705	DPST	ON	-	OFF	White Nylon w/Black Legend (A)

