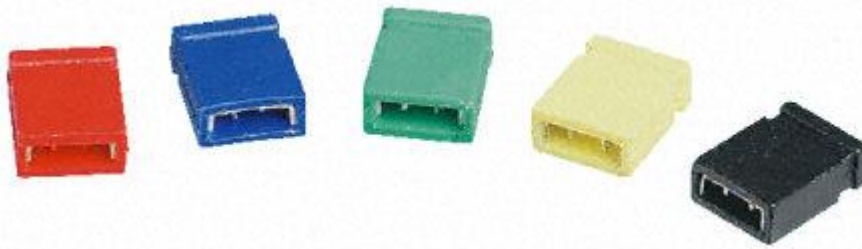


# Datasheet

## Female Straight Red Closed Top 2 Way 1 Row 2.54mm Pitch

RS Stock number [251-8531](#)



### Specifications:

Resistance:	20MΩ max.
Current rating:	1A min.
Dielectric withstanding voltage:	AC 650V RMS at sea level
Material:	Phosphor bronze
Plating:	6.0um pure tin over 2.5um nickel
Insertion force:	340 grams max.
Withdrawal force:	50 grams min.
Material:	30% glass fibre-reinforced polyester (PBT)
Insulation resistance:	1010Ω (contact to contact) at 500VDC
Arc resistance:	145 seconds at 23°C
Electrical strength:	121KV/cm at 23°C
Dielectric constant:	3.9 (48hrs 90% RH) at 100Hz 23°C 4.5 at 100Hz 121°C 3.7 (48hrs 90%RH) at 1MHz 23°C 4.3 at 1MHz 121°C
Dissipation Factor:	0.0077 (48hrs 30% RH) at 100Hz 23°C 0.0300 at 100Hz 121°C 0.0150 (48hrs 30% RH) at 1MHz 23°C 0.0200 at 1MHz 121°C
Volume resistivity:	3 x 10 <sup>13</sup> ohms-CM (48hrs 90% RH) at 25°C 10 <sup>13</sup> ohms-CM at 121°C
Operating temperature:	-65 to 150°C
Flammability:	UL94V-0

Drawing (mm):

