

SMD® Trimmer Capacitors Film Dielectric Series 2800S

Description

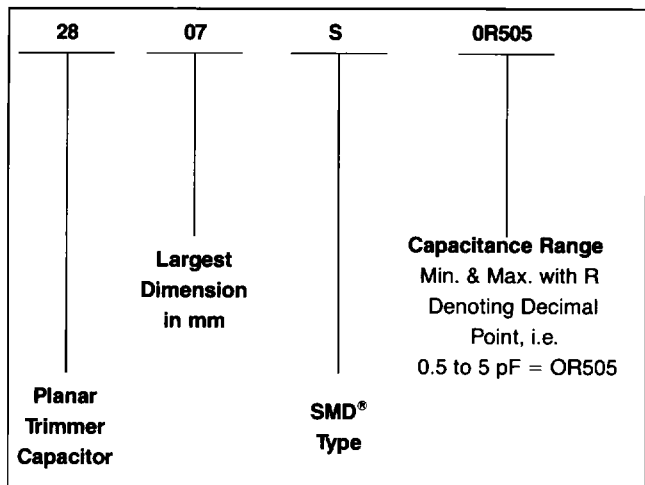
SMD® Trimmer Capacitors use a PTFE Teflon film dielectric for excellent long-term stability and low temperature coefficient of capacitance. These units consist of brass rotors and stators separated by film dielectric and enclosed in a plastic case. They are available taped and reeled for automatic assembly and can be reflow, vapor phase or hand soldered.

Features

- Product Available: Bulk or Blister Tape @ 3000 pcs/Reel
- True SMD Design for Surface Mounting
- Tight TC of -100 ± 100 PPM/°C for All Styles
- Wide Operating Temperature Range: -40°C to $+85^{\circ}\text{C}$

Part Number Designation

Series 2800S SMD® Film Dielectric Trimmer Capacitors can be completely specified using the following designation:



Electrical Specifications

Philips Components Part Number	Capacitance Range (pF)		L Inches	(mm)	Capacitance Color Code
	Min.	Max.			
2807S0R505	0.3 ± 0.2	5—0.5/ + 3	.087	(2.2)	Orange
2807S0R610	0.4 ± 0.2	10—1/ + 5	.087	(2.2)	Black
2807S0R815	0.5 ± 0.3	15—0/ + 7	.094	(2.4)	Blue
2807S1R020	0.7 ± 0.3	20—0/ + 10	.100	(2.55)	Green

Insulation Resistance Between Stator and Rotor: 10,000 MΩ Minimum
Voltage Rating: 100V DC
Minimum Q @ 10MHz; 1000.
Temperature Coefficient PPM/°C – 100 ± 100.

Soldering Maximum: 260°C for 5 seconds
Operating Temperature Range: – 40 to 85°C
Effective Angle of Rotation: 360°
Operating Torque: 20 – 300 g. cm
Ratio of maximum torque to minimum shall be within 3:1

Mechanical Specifications

Dimensions: in Millimeters

