



CERAMIC DIELECTRIC TRIMMER CAPACITORS

**SURFTRIM<sup>®</sup> SURFACE MOUNT**  
**GKY LOW PROFILE SERIES**

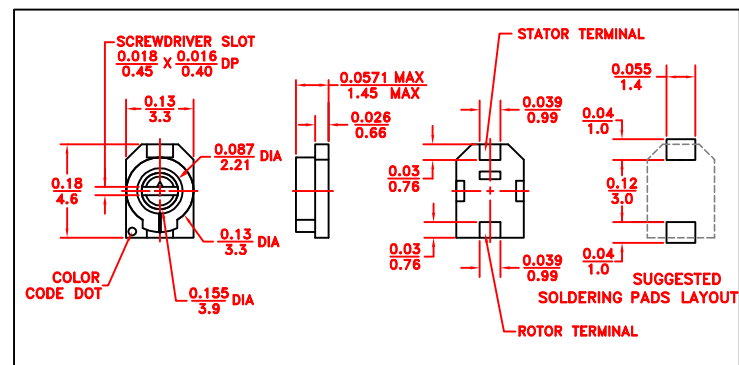
**FEATURES**

- Designed for reflow soldering
- Settling drift within 1%
- Mounting profile 0.0591" / 1.5 mm max  
( 3.2 X 4.5 X 1.5 mm )
- Carrier and reel packaging
- Dust resistant design
- Self resonant frequency above 1GHz

**SPECIFICATIONS**

- Operating Temperature Range:  
-25°C to +85°C
- Insulation Resistance: 10<sup>4</sup> Megohms min.
- Torque: 10 to 72 g-sm (0.14 to 1.0 oz-in)

| Model No. | Capacitance Range (pF) |      | DC Working Voltage | DC Withstanding Voltage | Q Min (1MHz) | SRF at max. rated capacitance (GHz) | Temperature Coefficient (ppm/°C) | Color Code |
|-----------|------------------------|------|--------------------|-------------------------|--------------|-------------------------------------|----------------------------------|------------|
|           | Min                    | Max  |                    |                         |              |                                     |                                  |            |
| GKY3R046  | 1.5                    | 3.0  | 100                | 220                     | 500          | 2.1                                 | 0±200                            | Black      |
| GKY6R046  | 2.0                    | 6.0  | 100                | 220                     | 500          | 1.5                                 | 0±300                            | Blue       |
| GKY8R046  | 3.0                    | 8.0  | 100                | 220                     | 500          | 1.3                                 | -750±500                         | Violet     |
| GKY10046  | 2.0                    | 10.0 | 50                 | 110                     | 500          | 1.2                                 | 0±300                            | None       |
| GKY15046  | 3.0                    | 15.0 | 50                 | 110                     | 500          | 0.92                                | 0±500                            | Pink       |
| GKY20046  | 4.5                    | 20.0 | 50                 | 110                     | 500          | 0.81                                | 0±500                            | Red        |
| GKY30046  | 5.5                    | 30.0 | 50                 | 110                     | 200          | 0.70                                | -750±500                         | Orange     |
| GKY40046  | 8.0                    | 40.0 | 50                 | 110                     | 200          | 0.60                                | -750±500                         | Yellow     |

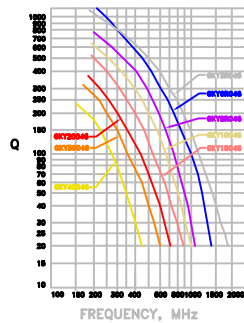


All dimensions are in/mm, unless otherwise specified,  
tolerance on dimensions ± 0.008/0.2

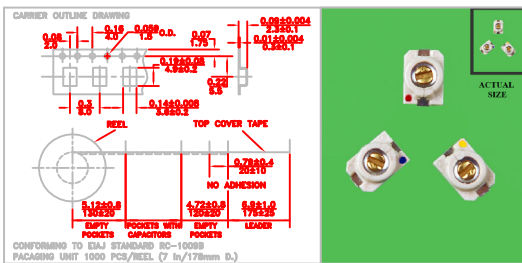
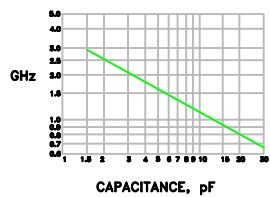
**SPRAGUE  
GOODMAN**

## CERAMIC DIELECTRIC TRIMMER CAPACITORS GKY LOW PROFILE SERIES

QUALITY FACTOR (Q)  
OF GKY\_\_\_\_46 SERIES CAPACITORS



## SELF-RESONANT FREQUENCY OF GKY\_\_\_\_46 SERIES CAPACITORS



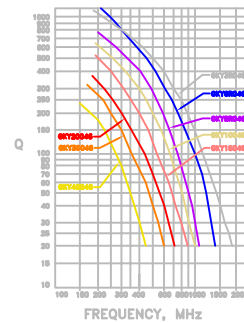
All dimensions are in/mm, unless otherwise specified,  
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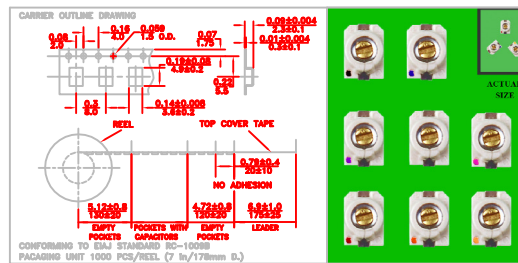
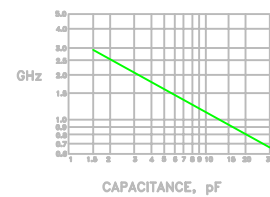
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