

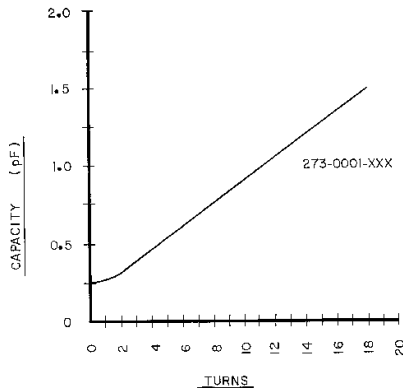
Teflon* Variable Capacitors

SUBMINIATURE TYPE APPLICATION • Crystal oscillators and filters

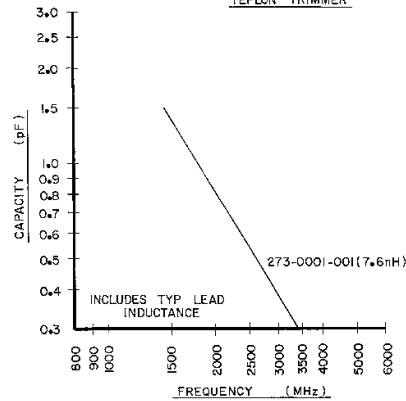
JOHNSON
Components®

INCHES (MILLIMETERS)
CUSTOMER DRAWINGS AVAILABLE UPON REQUEST

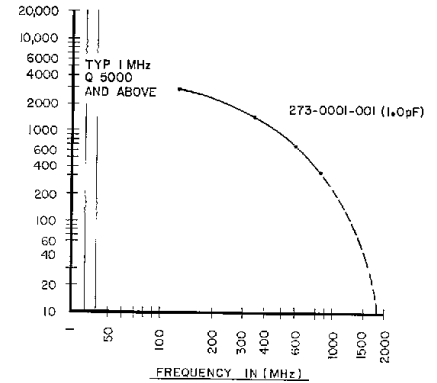
CAPACITY VS. ROTATION TEFLON TRIMMER



CAPACITY VS. SERIES SELF RESONANT FREQUENCY
TEFLON TRIMMER



Q VS. FREQUENCY TEFLON TRIMMER



Vertical PC Mount

SPECIFICATIONS

Torque: 0.2-3.0 oz. in. (15-216 gm. cm.)

Working Voltage: 1000 VDC †

Insulation Resistance: 10⁵ megohm

Q Factor: 2000 at 1 MHz

Operating Temperature: -55°C to +150°C

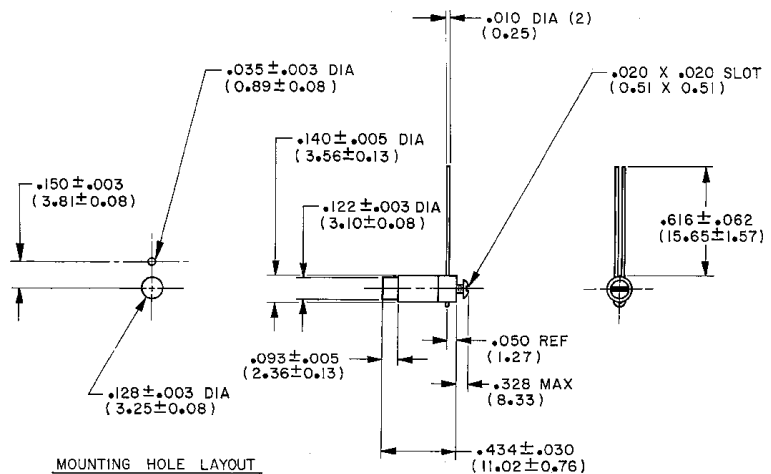
Temperature Coefficient: +50 ± 50 ppm/°C



FEATURES:

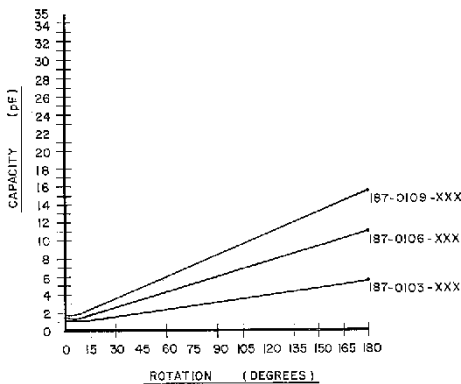
- Low lead inductance
- High resolution and low temperature coefficient
- Specifications comparable to air dielectric capacitors
- Small size and low cost

PART NO.	PLATING	GUARANTEED CAPACITY (pF)	
		MAX./MIN.	MIN./MAX.
273-0001-001	Gold	.25	1.5
273-0001-101	Silver	.25	1.5

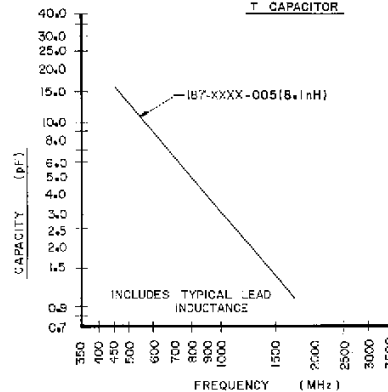


† Avoid user injury due to misapplication. See safety advisory definitions on page 2.

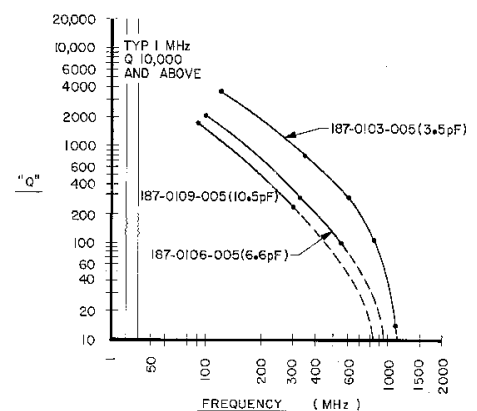
CAPACITY vs. ROTATION T CAPACITOR



CAPACITY VS. SERIES SELF-RESONANT FREQUENCY T CAPACITOR



Q vs. FREQUENCY T CAPACITOR



Vertical PC Mount

SPECIFICATIONS

Torque: 1.5-8.0 oz. in. (106-576 gm. cm.)

Working Voltage: 125 VDC †

Insulation Resistance: 10⁵ megohm

Q Factor: 2000 at 1 MHz

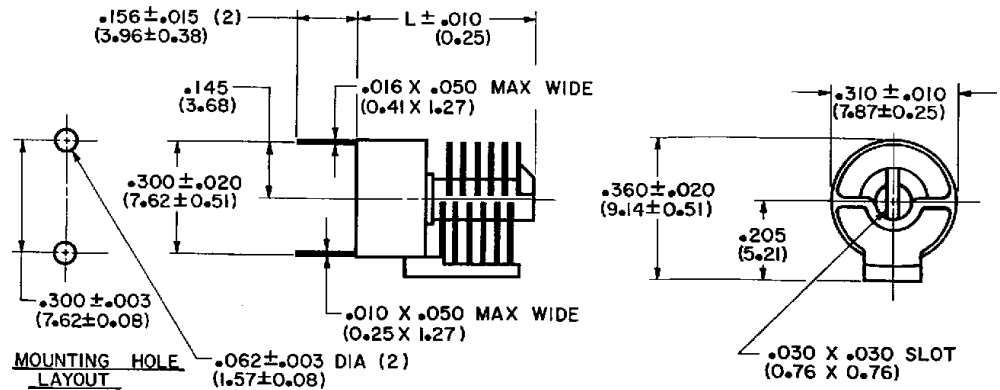
Operating Temperature:

-55°C to +125°C

Temperature Coefficient:

+45 ± 45 ppm/°C

Nominal Air Gap: .008" (0.20mm)



PART NO.	NOMINAL CAPACITY (pF)		GUARANTEED CAPACITY (pF)			
	MINIMUM + 20% / - 100%	MAXIMUM ± 20%	MAX. / MIN.	MIN. / MAX.	TOTAL PLATES	LENGTH
187-0103-005	1.3	5.4	1.56	4.86	6	.359 (9.12)
187-0106-005	1.7	11.0	2.04	9.90	12	.470 (11.94)
187-0109-005	1.9	15.7	2.28	14.13	18	.581 (14.76)

FEATURES:

- Low loss ceramic base for stability
- Mounting same as many 10mm ceramic capacitors
- Stator attachment with high temperature solder (232°C)
- Silver plated machined plates



† Avoid user injury due to misapplication. See safety advisory definitions on page 2.