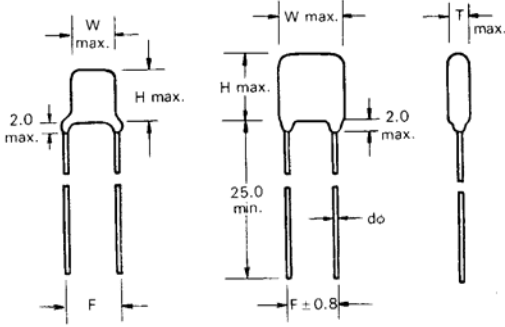




MULTILAYER CERAMIC CAPACITOR

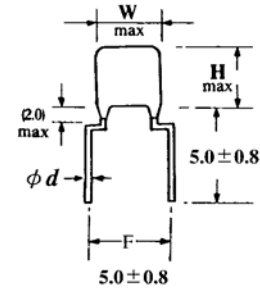
RADIAL LEADED, EPOXY COATED TYPE

1. STRAIGHT LONG LEADS



$d \phi$ = AWG #22 or #24 tinned copper wire

2. STRAIGHT CUT LEADS



Unit: mm

TYPE NO.	W max.	H max.	T max.	F ± 0.8
CM05	5.0	5.0	3.5	2.5 or 5.0

SPECIFICATION:

Temperature Characteristics	NPO	X7R	Z5U
Operation Temperature Range	-55°C ~ +125°C	-55°C ~ +125°C	+10°C ~ +85°C
Capacitance Change	0±30ppm/°C	±15% max.	+22%, -56% max.
Rated Working Voltage (DC)	50V		
Standard Capacitance Tolerance	J (±5%), K (±10%)	K (±10%), M(±20%)	M (±20%), Z (+80%-20%)
Test Frequency (Class I):	1MHz±50KHz, 1V rms (for 1000 pF or less) 1KHz±50Hz, 1V rms (for cap. Over 1000 pF)		
(Class II):	1KHz±50Hz, 1V rms		
Capacitance Tolerance	±5% , ±10%	±10% , ±20%	±20%, +80% -20%
Dissipation Factor (at 25°C)	0.15% max at 1V rms	2.5% max at 1V rms	2.5% max at 0.5V rms
Dielectric Strength	Withstand 250% of rated working voltage with 50mA current max, 5 sec.		
Insulation Resistance	100GΩ or 1000MΩ x μF whichever is less		10GΩ or 100MΩ x μF whichever is less
Life Test (1,000 hours)	200% of rated W.V. at +125°C		200% of rated W.V. at +85°C

CAPACITANCE RANGE CHART : W.V. 50V DC

TYPE	NPO	X7R	Z5U
CM05	1 - 2,700 pF	220 - 470,000 pF	.01 – 2.2 μF