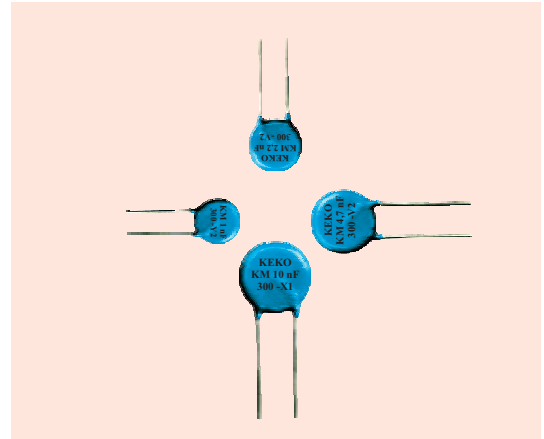


RADIO INTERFERENCE SUPPRESSION DISC CAPACITORS KM SERIES

Description



Radio interference suppression KM capacitors offered by KEKO VARICON cover a wide capacitance range from 1 nF to 22 nF, operating at rated AC voltages 300 V and at frequency of 50 Hz.

KEKO VARICON presently offers two branches of Type 2 KM capacitors : Class X1 and Class Y2. They are successfully used in radio interference suppression for home appliances.



Features

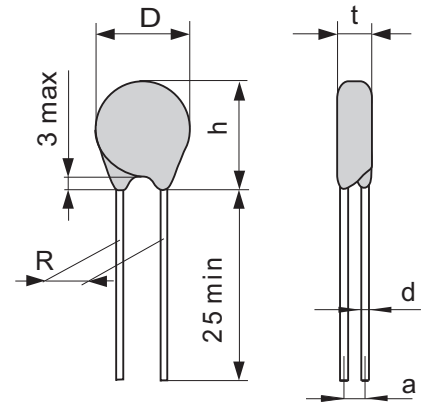
KM Y2

- Capacitance range 1 nF to 10 nF.
- Rated AC Voltage V_{rms} 300 V / 50 Hz.
- 9 Model sizes available 7 to 18 mm discs.
- Dielectric Temperature Characteristics : 2E3.
- Maximum operating temperature - +125 °C.
- Available with straight and crimped leads.
- Available in tape and reel for automatic pick and place.
-  File No. 5883.11-4670-0011/31WCJ F35/KIL for KM -Y2 capacitors according to standard EN 132400 and IEC 60384-14 for capacitance range from 1 nF to 10 nF for rated voltage of 300 V~.
-  UL1414 & CSA C22.2 Across-The-Line Applications File E163318 for **KM-Y2** for capacitance range from 1 nF to 10 nF for rated voltage of 300 V~ .
- Lead free components.

Absolute Maximum Ratings

	Units	KM Y2
Capacitance range (C)	nF	2E3 1 to 10
Capacitance Tolerance	%	M
Voltage Dependence		yes
Dissipation Factor tg δ		≤ 25 10 ⁻³
Rated AC Voltage Range (V_{rms}) at 50 Hz	V	300
Measuring Conditions		
AC Voltage	V	1 ± 0.2
Frequency	kHz	1 ± 20 %
Test AC Voltage	kV	2.2 for 2 s
Test AC Voltage to Earth	kV	2
Insulation Resistance IR at 500 V	GΩ	≥6
AC Voltage Proof of Coating	kV	2 for 60 s
Operating Ambient Temperature	°C	-40 to +125
Climatic Category	4	40/125/21 - GPF
Comply with standards		IEC 384/14, UL1414 CSA C22.2 No. 1-M1981

Device Ratings and Characteristics



Radio Interference Suppression Disc Capacitors - Class Y2

Type	C	$\tan \delta$	V_{rms}	D	t	R	d	h	a
	nF	10E-3	V	max mm	max mm	± 1 mm	$\pm 0,05$ mm	max mm	± 1 mm
KM 1.0 nF M 2E3 300 Y2	1,0	25	300	7	4,5	5,0	0,6	10	1,4
KM 1.5 nF M 2E3 300 Y2	1,5	25	300	8	4,5	5,0	0,6	11	1,4
KM 1.8 nF M 2E3 300 Y2	1,8	25	300	8	4,5	5,0	0,6	11	1,4
KM 2.2 nF M 2E3 300 Y2	2,2	25	300	9	4,5	5,0	0,6	12	1,4
KM 2.5 nF M 2E3 300 Y2	2,5	25	300	9	4,5	5,0	0,6	12	1,4
KM 2.7 nF M 2E3 300 Y2	2,7	25	300	9	4,5	5,0	0,6	12	1,4
KM 3.3 nF M 2E3 300 Y2	3,3	25	300	10	4,5	7,5	0,8	13	1,4
KM 3.9 nF M 2E3 300 Y2	3,9	25	300	11	4,5	7,5	0,8	14	1,4
KM 4.7 nF M 2E3 300 Y2	4,7	25	300	11	4,5	7,5	0,8	14	1,4
KM 5.0 nF M 2E3 300 Y2	5,0	25	300	12	4,5	7,5	0,8	15	1,4
KM 5.6 nF M 2E3 300 Y2	5,6	25	300	14	4,5	7,5	0,8	17	1,6
KM 6.8 nF M 2E3 300 Y2	6,8	25	300	14	4,5	7,5	0,8	17	1,6
KM 8.2 nF M 2E3 300 Y2	8,2	25	300	16	4,5	7,5	0,8	19	1,6
KM 10 nF M 2E3 300 Y2	10,0	25	300	18	4,5	7,5	0,8	21	1,6

Impedance Frequency Characteristics

