

XG-H

For Interference Suppression and Across-The-Line, Class X2

ELECTRICAL CHARACTERISTICS

Climate Category : In Accordance with IEC 68-1 (40/100/21)

- (a) The first letter or number represents the Lower Category temperature.
- (b) The second letter or number represents the Upper Category temperature.
- (c) The third letter or number represents the number of days relevant to the damp heat test.

Rated Voltage : 250/275 V.AC, 50 ~ 60 Hz

Capacitance Range : 0.0047 ~ 4.7 μ F

Capacitance Tolerance : J (\pm 5%), K (\pm 10%), M (\pm 20%)

Withstand Voltage :

- (a) Between Terminals : 1500 V.AC, 60 Hz or 2200 V.DC 1Sec.
- (b) Between Terminals and Case : 2000 V.AC, 60 Hz 60 Sec.

Dissipation Factor :

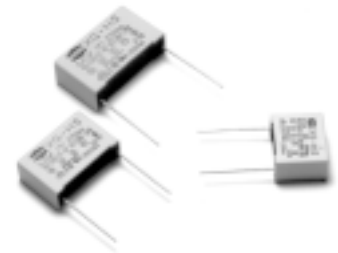
- (a) \leq 0.1% at 1 KHz and 20°C
- (b) \leq 0.3% at 10 KHz and 20°C

Insulation Resistance :

- (a) Between Terminals : $\geq 3 \times 10^4 M\Omega$ for $C \leq 0.33\mu F$
 $\geq 1 \times 10^4 M\Omega \cdot \mu F$ for $C > 0.33\mu F$

- (b) Between Terminals and Case : $\geq 3 \times 10^4 M\Omega$

Measured at 100 \pm 15V.DC, 60 Sec. and 20°C



DESCRIPTION

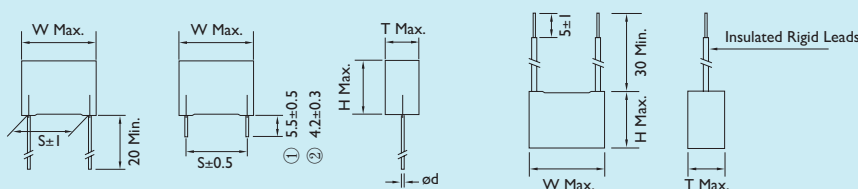
XG-G type is self-healing flat and wide operating temprang (-40 ~ +100°C) style capacitor, which is wound with polypropylene film dielectric, flame retardant plastic case and epoxy resin end seal. Following styles belong to this type :

- 1) XG-HS : Tinned Copper Clad Steel Wire Radial Leads
- 2) XG-HP : UL 1015 or UL 1007 AWG#20 ~ 22 Solid PVC Insulation Wire Radial Leads

This type especially is designed for radio interference suppression and across-the line capacitors in :

- 1) Business Machines Appliances, such as : Typewriters, Adding Machines, Computer Displays and Monitors
- 2) Household Appliances, such as : Mixers, Fans, Coffee Grinders, Audio and TV Circuits
- 3) Thyristor and Triac Appliances, such as : Dimmers

DIAGRAM OF DIMENSIONS



Dimensions : mm

W	13.0	18.0	26.5	31.5	37.0	45.0	53.0
S	10.0	15.0	22.5	27.5	32.5	40.0	47.5
ød	0.6	0.8	0.8	0.8	0.8	1.0	1.0

W	PVC WIRE
18	AWG22#
\geq 26.5	AWG20#

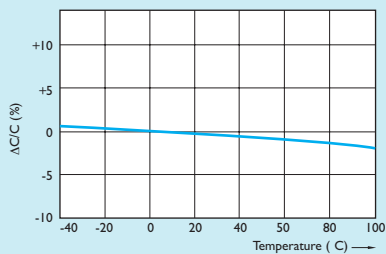


APPROVAL DATA

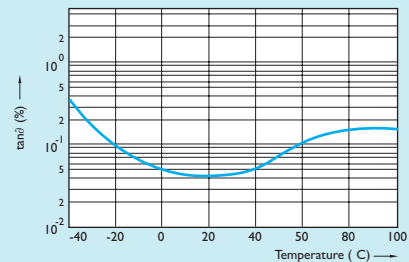
COUNTRY	SPECIFICATIONS	FILE AND REF. NO.
UL = USA	UL 1414	E 81959 (N) (0.0047 μ F ~ 1.0 μ F, 250V.AC)
CSA = Canada	C 22.2 No. 1-98	LR57384-10 (0.0047 μ F ~ 1.0 μ F, 250V. AC)
	C22.2 No. 8-M1986	LR57384-11 (0.0047 μ F ~ 1.0 μ F, 250V. AC)
VDE = Germany	DIN EN132400 (VDE 0565 Teil 1-1) : 1995-03, Tabelle 3	101341 (0.0047 μ F ~ 4.7 μ F, 275 V.AC)
SEMKO = Sweden	EN 132400 : 1994/IEC 384-14, Second Edition, Including Amendment 1. 1995	9722105/01 (0.0047 μ F ~ 4.7 μ F, 275 V.AC)
NEMKO = Norway	EN 132400 : 1994/IEC 384 ed. 2 : 1993 Including Am. 1 : 1995	P97101318 (0.0047 μ F ~ 4.7 μ F, 275 V.AC)
DEMKO = Denmark	IEC 384-14/EN 132400	306704 (0.0047 μ F ~ 4.7 μ F, 275 V.AC)
FI = Filand	IEC 384-14 2nd Edition (1993) Including Am. 1 (1995) / EN 132400 (1994)	194913-01 (0.0047 μ F ~ 4.7 μ F, 275. AC)
SEV = Switzerland	IEC 384-14 2nd Edition (1993) Including Am. 1 (1995) / EN 132400 (1994)	97, 7 70454, 01 (0.0047 μ F ~ 4.7 μ F, 275 V.AC)
CB Test Certificate	IEC 384-14 2nd Edition (1993) Including Am. 1 (1995) / EN 132400 (1994)	FI 781 (0.0047 μ F ~ 4.7 μ F, 275V.AC)

TEMPERATURE AND FREQUENCY CHARACTERISTICS

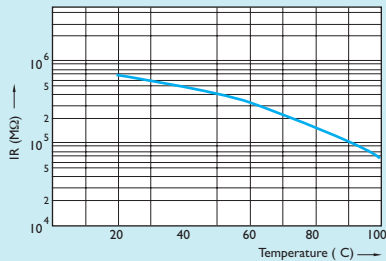
Capacitance Change vs. Temperature (Typical Values)



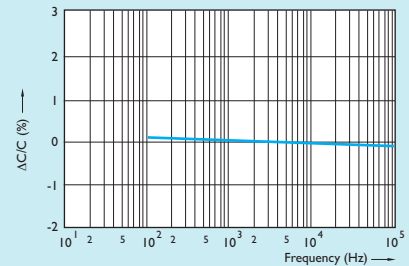
Dissipation Factor vs. Temperature at 10 KHz (Typical Values)



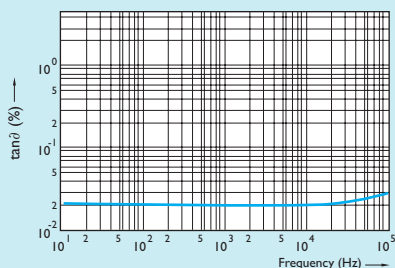
Insulation Resistance vs. Temperature (Typical Values)



Capacitance Change vs. Frequency (Typical Values)



Dissipation Factor vs. Temperature (Typical Values)



CASE SIZE OF STANDARD PRODUCTS

Dimensions : mm

CAPACITANCE (μF)	RATED VOLTAGE (V.A.C)	W	H	T	CASE CODE
0.0047	250 / 275	13.0	11.0	5.0	22
0.0056		13.0	11.0	5.0	22
0.0068		13.0	11.0	5.0	22
0.0082		13.0	11.0	5.0	22
0.01		13.0	11.0	5.0	22
0.012		13.0	11.0	5.0	22
0.015		13.0	11.0	5.0	22
0.018		13.0	11.0	5.0	22
0.022		13.0	11.0	5.0	22
0.027		13.0	11.0	5.0	22
0.027		13.0	12.0	6.0	23
0.033 @		13.0	11.0	5.0	22
0.033		13.0	12.0	6.0	23
0.039		18.0	11.0	5.0	26
0.047		18.0	11.0	5.0	26
0.056		18.0	11.0	5.0	26
0.056		18.0	12.0	6.0	27
0.068		18.0	12.0	6.0	27
0.082		18.0	12.0	6.0	27
0.082		18.0	13.5	6.0	30
0.1 @		18.0	12.0	6.0	27
0.1 #		18.0	13.5	6.0	30
0.1		18.0	13.5	7.5	29
0.1		26.5	15.0	6.0	36
0.12 *		18.0	13.5	6.0	30
0.12		18.0	13.5	7.5	29
0.12		26.5	15.0	6.0	36
0.15 *		18.0	13.5	7.5	29
0.15		18.0	14.5	8.5	32
0.15		26.5	15.0	6.0	36
0.15		26.5	16.0	7.0	37
0.18		18.0	14.5	8.5	32
0.18		26.5	15.0	6.0	36
0.18		26.5	16.0	7.0	37
0.22		18.0	16.5	8.5	34
0.22 @		26.5	15.0	6.0	36
0.22		26.5	16.0	7.0	37
0.27		26.5	16.0	7.0	37
0.27		26.5	17.0	8.5	38
0.33		26.5	17.0	8.5	38
0.33		31.5	17.0	9.0	48
0.39		26.5	17.0	8.5	38



CASE SIZE OF STANDARD PRODUCTS

Dimensions : mm

CAPACITANCE (μ F)	RATED VOLTAGE (V.AC)	W	H	T	CASE CODE
0.39		26.5	19.0	10.0	40
0.39		31.5	17.0	9.0	48
0.47 *		26.5	17.5	9.5	39
0.47		26.5	19.0	10.0	40
0.47 *		31.5	17.0	9.0	48
0.47		31.5	18.5	10.5	47
0.56 *		26.5	19.0	10.0	40
0.56		26.5	20.0	10.5	41
0.56		31.5	20.0	11.0	50
0.60		31.5	18.5	10.5	47
0.60		31.5	20.0	11.0	50
0.68 @		31.5	18.5	10.5	47
0.68		31.5	20.0	11.0	50
0.82 @		31.5	20.0	11.0	50
0.82		31.5	22.5	13.0	52
1.0		31.5	22.5	13.0	52
1.0		31.5	25.0	14.0	54
1.0		37.0	24.0	13.5	66
1.2 @	250 / 275	31.5	22.5	13.0	52
1.2		31.5	25.0	14.0	54
1.2		37.0	24.0	13.5	66
1.5 @		31.5	25.0	14.0	54
1.5		31.5	30.0	15.0	57
1.5 @		37.0	24.0	13.5	66
1.5		37.0	26.5	16.0	68
1.8		31.5	30.0	15.0	57
1.8		31.5	33.0	18.0	60
1.8		37.0	26.5	16.0	68
1.8		37.0	28.5	18.0	70
2.2		31.5	33.0	18.0	60
2.2		37.0	28.5	18.0	70
2.7		45.0	28.0	17.0	78
2.7		45.0	29.5	18.5	80
3.3		45.0	29.5	18.5	80
3.3		45.0	31.5	20.5	81
3.9		45.0	31.5	20.5	81
3.9		45.0	33.0	22.5	82
4.7		53.0	34.0	22.5	85

Dim. Code # Only Apply for XG-HS

Dim. Code * Only Apply for XG-HS, ToL : " K ", " M "

Dim. Code @ Only Apply for XG-HS, ToL : " M "