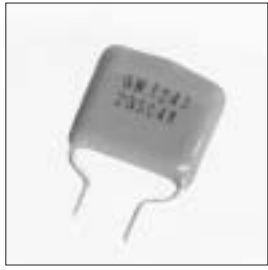
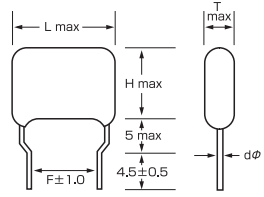


# 高耐熱、高周波回路用コンデンサ HEAT PROOF AND HIGH FREQUENCY



## FGSM (161)

### メタライズドポリプロピレン METALLIZED POLYPROPYLENE



#### 特徴

- 耐熱性向上PPフィルムを採用し、使用温度範囲を拡大。-40~105℃(電圧軽減により125℃まで使用可能)
- 電極抵抗軽減設計により、大電流化を実現。
- 小型、高耐熱化対応により、コストパフォーマンスを向上。

#### 用途

- インバータ照明回路
- 共振型SW電源

#### 電気特性

使用温度範囲 -40℃~105℃(電圧軽減により125℃まで使用可能)  
 定格電圧 250VDC (250Vo-p)・315VDC (315Vo-p)  
 400VDC (400Vo-p)・450VDC (450Vo-p)  
 630VDC (630Vo-p)  
 静電容量範囲 0.01 μF~4.7 μF  
 静電容量許容差 ±3%(H) ±5%(J)  
 誘電正接 ≤0.08%(at 1kHz 20℃)  
 耐電圧 定格電圧×175%(1~5秒)  
 絶縁抵抗 30,000Ω ≤ (≤0.33 μF at 20℃)  
 10,000Ω μF ≤ (0.33 μF < at 20℃)

#### CHARACTERISTICS

- High temperature proof PP film used to expand temperature range.  
-40 to 105℃ (Can be used max 125℃ by rated voltage derating)
- Higher Current flows are available by electrode resistance reduction design.
- High cost performance are achieved by compact sized, and high temperature resistance.

#### APPLICATIONS

- Electronic Ballast
- Resonance Switching power supply

#### ELECTRIC CHARACTERISTICS

Operation Temperature -40℃~105℃(Can be used max 125℃ by rated voltage derating)  
 Range Voltage 250VDC (250Vo-p)・315VDC (315Vo-p)  
 400VDC (400Vo-p)・450VDC (450Vo-p)  
 630VDC (630Vo-p)  
 Capacitance range 0.01 μF~4.7 μF  
 Capacitance tolerance ±3%(H) ±5%(J)  
 Dissipation factor ≤0.08%(at 1kHz 20℃)  
 Withstand Voltage Rated voltage × 175% (1~5sec)  
 Dielectric strength 30,000Ω ≤ (≤0.33 μF at 20℃)  
 10,000Ω μF ≤ (0.33 μF < at 20℃)

FGSM(161)    VDC

Capacity (μF)	DIMENSIONS (mm) 250VDC					DIMENSIONS (mm) 315VDC					DIMENSIONS (mm) 400VDC					DIMENSIONS (mm) 450VDC					DIMENSIONS (mm) 630VDC				
	L	H	T	F	d	L	H	T	F	d	L	H	T	F	d	L	H	T	F	d	L	H	T	F	d
103 (0.01)	13.0	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8
113 (0.011)	13.0	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8
123 (0.012)	13.0	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8
133 (0.013)	13.0	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8
153 (0.015)	13.0	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8
163 (0.016)	13.0	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8
183 (0.018)	13.0	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8
203 (0.02)	13.0	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8
223 (0.022)	13.0	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	15.5	12.5	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8
243 (0.024)	13.0	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8	15.5	12.5	5.5	7.5	0.8	13.5	10.0	5.5	7.5	0.8
273 (0.027)	13.0	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	15.5	12.5	6.0	7.5	0.8	13.5	10.5	6.0	7.5	0.8
303 (0.03)	13.0	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	15.5	13.0	6.0	7.5	0.8	13.5	10.5	6.0	7.5	0.8
333 (0.033)	13.0	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	15.5	12.5	5.5	7.5	0.8	13.5	11.0	6.0	7.5	0.8
363 (0.036)	13.0	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	15.5	12.5	6.0	7.5	0.8	13.5	11.0	6.5	7.5	0.8
393 (0.039)	13.0	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	15.5	12.5	6.0	7.5	0.8	13.5	11.5	6.5	7.5	0.8
433 (0.043)	13.0	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	13.5	10.0	6.0	7.5	0.8	15.5	13.0	6.0	7.5	0.8	13.5	11.5	7.0	7.5	0.8
473 (0.047)	13.0	10.0	6.0	7.5	0.8	18.0	13.0	6.0	10.0	0.8	13.5	10.0	6.0	7.5	0.8	15.5	13.0	6.5	7.5	0.8	15.5	12.5	7.0	7.5	0.8
513 (0.051)	13.0	10.5	6.5	7.5	0.8	18.0	13.0	6.0	10.0	0.8	13.5	10.5	6.5	7.5	0.8	15.5	13.5	6.5	7.5	0.8	15.5	12.5	7.5	7.5	0.8
563 (0.056)	13.0	10.5	6.5	7.5	0.8	18.0	13.0	6.0	10.0	0.8	13.5	10.5	6.5	7.5	0.8	15.5	13.5	6.5	7.5	0.8	15.5	13.0	7.5	7.5	0.8
623 (0.062)	13.0	11.0	6.5	7.5	0.8	18.0	13.0	6.0	10.0	0.8	13.5	11.0	6.5	7.5	0.8	15.5	14.0	7.0	7.5	0.8	15.5	13.0	8.0	7.5	0.8
683 (0.068)	13.0	10.5	7.0	7.5	0.8	18.0	13.0	6.0	10.0	0.8	13.5	11.0	7.0	7.5	0.8	18.0	13.0	6.5	10.0	0.8	15.5	13.0	9.0	7.5	0.8
753 (0.075)	13.0	11.0	7.0	7.5	0.8	18.0	13.0	6.5	10.0	0.8	13.5	11.5	7.0	7.5	0.8	18.0	13.5	6.5	10.0	0.8	15.5	13.5	9.0	7.5	0.8
823 (0.082)	13.0	11.0	7.0	7.5	0.8	18.0	13.5	6.5	10.0	0.8	13.5	11.5	7.5	7.5	0.8	18.0	13.5	7.0	10.0	0.8	15.5	14.0	9.0	7.5	0.8
913 (0.091)	13.0	11.5	7.5	7.5	0.8	18.0	13.5	7.0	10.0	0.8	13.5	12.0	7.5	7.5	0.8	18.0	14.0	7.0	10.0	0.8	15.5	14.5	9.5	7.5	0.8
104 (0.1)	13.5	11.0	6.5	7.5	0.8	18.0	14.0	7.0	10.0	0.8	15.5	12.5	6.5	7.5	0.8	18.0	14.0	7.5	10.0	0.8	18.5	14.5	8.0	7.5	0.8
114 (0.11)	13.5	11.0	7.0	7.5	0.8	18.0	14.0	7.5	10.0	0.8	15.5	12.5	7.0	7.5	0.8	18.0	14.5	7.5	10.0	0.8	18.5	15.0	8.0	7.5	0.8
124 (0.12)	13.5	11.0	7.0	7.5	0.8	18.0	14.5	7.5	10.0	0.8	15.5	12.5	7.0	7.5	0.8	18.0	15.0	8.0	10.0	0.8	18.5	15.0	8.5	7.5	0.8
134 (0.13)	13.5	11.5	7.0	7.5	0.8	18.0	14.5	8.0	10.0	0.8	15.5	13.0	7.5	7.5	0.8	18.0	15.0	8.0	10.0	0.8	18.5	15.5	8.5	7.5	0.8
154 (0.15)	13.5	12.5	7.0	7.5	0.8	18.0	15.0	8.5	10.0	0.8	15.5	13.5	7.5	7.5	0.8	18.0	15.5	8.5	10.0	0.8	18.5	16.0	9.5	7.5	0.8
164 (0.16)	13.5	13.0	7.0	7.5	0.8	18.0	13.0	6.0	10.0	0.8	15.5	13.5	8.0	7.5	0.8	18.0	16.0	9.0	10.0	0.8	18.5	16.0	9.0	7.5	0.8
184 (0.18)	13.5	11.5	7.0	7.5	0.8	18.0	13.5	6.5	10.0	0.8	15.5	14.0	7.0	7.5	0.8	18.0	16.5	9.5	10.0	0.8	18.5	16.5	10.0	7.5	0.8
204 (0.2)	13.5	11.5	7.5	7.5	0.8	18.0	13.5	7.0	10.0	0.8	15.5	14.5	7.0	7.5	0.8	20.0	16.0	9.0	10.0	0.8	18.5	17.0	10.5	7.5	0.8
224 (0.22)	13.5	12.0	7.5	7.5	0.8	18.0	14.0	7.0	10.0	0.8	15.5	14.5	7.5	7.5	0.8	20.0	16.5	9.5	10.0	0.8	18.5	17.5	11.5	7.5	0.8
244 (0.24)	13.5	12.0	7.5	7.5	0.8	18.0	14.0	7.5	10.0	0.8	18.5	15.0	7.5	7.5	0.8	20.0	16.5	10.0	10.0	0.8	18.5	18.0	12.0	7.5	0.8
274 (0.27)	13.5	12.5	7.5	7.5	0.8	18.0	14.5	8.0	10.0	0.8	18.5	15.5	8.0	7.5	0.8	20.0	17.0	10.5	10.0	0.8	20.5	18.5	11.0	7.5	0.8
304 (0.3)	13.5	12.5	8.0	7.5	0.8	18.0	15.0	8.0	10.0	0.8	18.5	15.5	8.5	7.5	0.8	20.0	17.5	11.0	10.0	0.8	20.5	19.0	10.0	7.5	0.8
334 (0.33)	13.5	13.0	8.0	7.5	0.8	18.0	15.0	8.5	10.0	0.8	18.5	16.0	9.0	7.5	0.8	20.0	18.5	11.5	10.0	0.8	20.5	19.5	10.5	7.5	0.8
364 (0.36)	13.5	13.5	8.5	7.5	0.8	18.0	15.5	8.5	10.0	0.8	18.5	16.5	9.0	7.5	0.8	23.0	20.0	12.5	12.5	0.8	20.5	20.0	11.0	7.5	0.8
394 (0.39)	13.5	13.5	9.0	7.5	0.8	18.0	16.0	9.0	10.0	0.8	18.5	16.5	10.0	7.5	0.8	23.0	20.5	13.5	12.5	0.8	20.5	20.5	11.5	7.5	0.8
434 (0.43)	15.5	13.5	8.5	7.5	0.8	18.0	16.0	9.5	10.0	0.8	18.5	17.0	10.5	7.5	0.8	23.0	21.0	14.0	12.5	0.8	20.5	21.0	12.0	7.5	0.8
474 (0.47)	15.5	14.0	7.0	7.5	0.8	23.0	15.0	8.0	12.5	0.8	18.5	17.5	9.5	7.5	0.8	23.0	21.5	14.5	12.5	0.8	20.5	21.5	12.5	7.5	0.8
514 (0.51)	15.5	14.5	7.5	7.5	0.8	23.0	15.0	8.5	12.5	0.8	20.5	17.0	10.0	7.5	0.8	23.0	19.5	12.5	12.5	0.8	25.5	20.5	12.0	17.5	0.8
564 (0.56)	15.5	14.5	7.5	7.5	0.8	23.0	15.5	8.5	12.5	0.8	20.5	17.5	10.5	7.5	0.8	23.0	20.0	13.0	12.5	0.8	25.5	21.0	13.0	17.5	0.8
624 (0.62)	15.5	15.0	8.0	7.5	0.8	23.0	16.0	9.0	12.5	0.8	20.5	18.0	11.0	7.5	0.8	23.0	21.0	14.0	12.5	0.8	25.5	22.0	13.5	17.5	0.8
684 (0.68)	15.5	15.5	8.5	7.5	0.8	23.0	16.5	9.5	12.5	0.8	20.5	18.5	12.0	7.5	0.8	23.0	21.5	14.5	12.5	0.8	25.5	22.5	14.0	17.5	0.8
754 (0.75)	15.5	16.0	9.0	7.5	0.8	23.0	16.5	10.0	12.5	0.8	20.5	19.0													

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