

TEMPERATURE COMPENSATING TYPE

	NPO	N150	N470	N750	SL	N1500	
OPERATION TEMPERATURE RANGE	-30° ~ +85°C	-30 ~ +85°C	-30 ~ +85°C	-30 ~ +85°C	-30 ~ +85°C	-30 ~ +85°C	
CAPACITANCE RANGE	0.5 ~ 470PF	3 ~ 150PF	3 ~ 150PF	22 ~ 330PF	0.5 ~ 820PF	22 ~ 820PF	
CAPACITANCE CHANGE OVER TEMP. RANGE	±1%	-1 ~ +2%	-2 ~ +3.5%	-5 ~ +7.5%	-6 ~ +9%	-10 ~ +20%	
Q FACTOR (MIN 1MHZ)	1000 (C ≥ 30pF) 400 + 20C (C < 30pF)	1000 (C ≥ 30pF) 400 + 20C (C < 30pF)	1000 (C ≥ 30pF) 400 + 20C (C < 30pF)	1000 (C ≥ 30pF) 400 + 20C (C < 30pF)	1000 (C ≥ 30pF) 400 + 20C (C < 30pF)	500 (C ≥ 30pF) 200 + 10C (C < 30pF)	
INSULATION RESISTANCE	MINIMUM 10,000 MEGOHMS						
TEMPERATURE COEFFICIENT	0 ± 60PPM	N150 ± 60PPM	N470 ± 60PPM	N750 ± 120PPM	N330 ± 500PPM	N1500 ± 250PPM	
WORKING VOLTAGE RANGE	12VDC to 1KVDC						
TEST VOLTAGE RANGE	2.5 TIMES WORKING VOITAGE						
LOAD LIFE TEST 85°C 1000HRS	CAP CHANG	±3%	±5%	±8%	±15%	±30%	±50%
	Q FACTOR (MIN)	SHALL CONFORM INITIAL REQUIREMENTS PER ABOVE					
	I.R. (MIN)	10,000 MΩ					

CAPACITANCE RANGE AND SIZE CHARTS mm/pf

DIA (MAX)	NPO			N150 - N470			N750			SL		
	50WVDC	500WVDC	1KVWVDC	50WVDC	500WVDC	1KVWVDC	50WVDC	500WVDC	1KVWVDC	50WVDC	500WVDC	1KVWVDC
5φ	0.5~47	0.5~33	0.5~27	3~25	3~18	3~12	22~47	22~39	22~25	50~180	22~82	27~68
6φ	48~82	34~50	28~39	26~36	19~24	13~18	48~82	40~50	26~35	181~220	83~120	69~100
7φ	83~120	51~72	40~50	37~50	25~36	19~25	83~120	51~68	36~56	221~330	121~200	101~180
8φ	121~180	73~100	51~68	51~68	37~50	26~33	121~180	69~100	57~82	331~470	201~250	181~220
9φ	181~220	101~130	69~100	69~120	51~62	34~50	181~220	101~130	83~100	471~680	251~330	221~300
10φ	221~270	131~150	101~130	121~150	63~75	51~63	221~270	131~151	101~130	681~820	331~390	301~330
12φ	271~330	151~250	131~200	151~220	76~120	64~80	271~330	152~250	131~200		391~680	331~560
13φ					121~150	81~120						

* Available size for taping; under 12m/m

* If working voltage over 1KV also available

