

PART NBR DESIGNATION:

(Example)

YP 102 K 3A 5 P XX

TEMP. CHARACTERISTICS.		CAPACITANCE		CAP. TOLERANCE		RATED VOLTAGE		LEAD SPACING		REMARKS	
C(0.H)	NPO	0R5	0.5 pF	A	± 0.1pF	1E	25V	2	2.5 Mini	I	IN-KINK LEADS
SL	SL	010	1 pF	B	± 0.15pF	1H	50V	3	2.5 ± 0.5	O	OUT-KINK LEADS
YP	(B) Y5E, Y5F, Y5P	120	12 pF	C	± 0.25pF	2G	400V	4	4.0 ± 0.5	Y	Y-KINK LEADS
YT	(D) Y5T	331	330 pF	D	± 0.5pF	2H	500V	5	5.0 ± 0.8	S	PRECUT SHORT LEADS
YU	(E) Y5U	472	4700 pF	F	± 1pF	3A	1KV	6	6.3 ± 0.8	P	EPOXY COATING
YV	(F) Y5V	472	.0047 uF	G	± 2pF	3D	2KV	7	7.5 ± 0.8	TB	TAPED IN AMMO PACKING
ZU	(E) Z5U	472	4.7 nF	J	± 5%	3F	3KV	9	10.0 ± 1.0	TR	TAPED IN REEL PACKING
ZV	(F) Z5V	103	10000 pF	K	± 10%	3G	4KV	-	Axial Type	N	RoHS COMPLIANT
MC	MONO NPO	103	.01 uF	M	± 20%	3J	6KV(6.3KV)			XX	ADDITIONAL REMARKS
MY	MONO Y5V	103	10 nF	N	± 30%	3K	8KV			BASIC WORKS	
MZ	MONO Z5U	224	220000 pF	Z	+ 80-20%	4A	10KV			* Straight Leads * Bulk Packing * Lead Length 25mm min. * Phenolic Resin Coating * RoHS Compliant	
MX	MONO X7R	224	.22 uF	P	+ 100 - 0%	4C	15KV				
BN	Y5P LOW DF	224	220 nF			2BA	125VAC				
ZM	T3M (Y5T)					2EA	250VAC				
						2GA	400VAC				

SPECIFICATION:

1. TEMPERATURE CHARACTERISTICS:

TEMP. RANGE	TEMP. CHARACT.	CO	SL (PPM / °C)	B	D	E	F
Y5 -25°C ~ +85°C	CAPACITANCE CHANGE RATE	NPO	P 350 ~ N 1000	±10%	+20% -30%	+20% -55%	+30% -80%
Z5 +10°C ~ +85°C							

2. CAPACITANCE MEASURING CONDITIONS:

B / D / E / F	1KHz	20°C @1.0Vrms
NPO SL	1MHz	

3. CAPACITANCE TOLERANCE:

J	± 5%	K	± 10%	M	± 20%	Z	+ 80 - 20%
A	± 0.1pF	B	± 0.15pF	C	± 0.25pF	D	± 0.5pF

4. INSULATING RESISTANCE (I.R.):

10000MΩ min. at 500V for 1 minute.

5-1. DISSIPATION FACTOR (D.F.): 2.5% max. for B/D/E/F

5-2. Q VALUE: 1000 min. for NPO/SL ranging 30pF & onward.

or ≥ 400 + 20C (C = Cap.) for those under 30pF.

6. DIELECTRIC STRENGTH: Applying 1 ~ 5 seconds.

RATED VOLTAGE	500V	1KV - 2KV	3KV-5KV	6KV -15KV
FLASH TEST VOLTAGE	300%	200%	175%	150%

