FEATURES

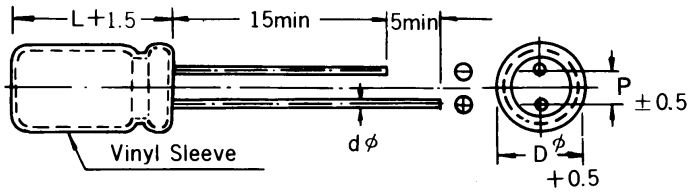
- Temperature range (-40°C ~ +105°C).
  Ultra low impedance at 100KHz
  High ripple current capability
- Load life 2,000 hours @ 105°C)
  RoHs COMPLIANT

PART NUMBERING

Part Number Example TRZ-6R3/102M10X13F							
TRZ	-	6R3	/	102	M	10X13	F
Type		Rated Voltage		Capacitance Code (μF)*	Tolerance Code	Size	RoHs Compliant
* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).							

SPECIFICATIONS

Operating Temperature Range	-40°C ~ +105°C				
Rated Voltage Range	6.3 ~ 25vdc				
Capacitance Range	220 ~ 3,300μF				
Capacitance Tolerance	±20% (120Hz 20°C)				
Leakage Current Max	I= 0.01 CV or 3 μA whichever is greater after 2 minutes @ rated voltage				
DF (%) @ +20°C 120Hz max	Working Voltage	6.3	10	16	25
	DF (%)	14	12	10	9
Low Temperature Characteristics Impedance Ratio Max @ 120Hz	Working Voltage	6.3	10	16	25
	Z-25°C / Z+20°C	4	3	2	2
	Z-40°C / Z+20°C	6	4	3	3
	If cap value >1,000μF, add 0.5 for each 1,000 μFfor -25°C / +20°C If cap value >1,000μF, add 1.0 for each 1,000 μFfor -40°C / +20°C				
Load Life 2,000Hrs @ 105°C and rated voltage	Cap change	≤ 25% of Initial measured value			
	DF	≤ 200% of Initial measured value			
	Leakage current	≤ Initial specified value			
Shelf Life 2,000Hrs @ 105°C	Cap change	≤ 25% of Initial measured value			
	DF	≤ 200% of Initial measured value			
	Leakage current	≤ Initial specified value			



MULTIPLIER FOR RIPPLE CURRENT VS FREQ.

FREQUENCY (Hz)	120	1K	10K	100K
220 ~ 330μF	0.40	0.75	0.93	1.0
390 ~ 1,000μF	0.50	0.85	0.95	1.0
1,200 ~ 3,300μF	0.55	0.90	0.98	1.0

DIMENSIONS (UNIT: mm)

Diam	8	10
F	3.5±.5	5±.5
Φ	0.5	0.6

CAP. (uF)	WVDC								
	6.3			10			16		
	SIZE	RIPPLE	IMPED.	SIZE	RIPPLE	IMPED.	SIZE	RIPPLE	IMPED.
330							8X11.5	1080	.038
470				8X11.5	1080	.038	8X11.5	1080	.038
							10X12.5	1500	.027
560	8X11.5	1080	.038	8X11.5	1080	.038	8X16	1450	.029
680	8X11.5	1080	.038	8X11.5	1080	.038	8X16	1450	.029
				10X12.5	1500	.027	10X12.5	1500	.027
820	8X11.5	1080	.038	10X12.5	1450	.029	8X20	1850	.020
1000	8X16	1100	.036	8X16	1450	.029	8X20	1850	.020
	10X12.5	1500	.027	10X12.5	1500	.027	10X16	1910	.018
1200	8X16	1450	.029	8X20	1850	.020	10X20	2540	.017
1500	8X20	1850	.020	8X20	1850	.020	10X20	2540	.015
	10X12.5	1500	.027	10X16	1910	.018			
1800	10X16	1910	.018	10X20	2540	.016	10X25	2800	.013
2200	8X20	1850	.020	10X20	2540	.015			
	10X16	1910	.018	10X25	2800	.014			
2700	10X20	2540	.013						
3300	10X30	2800	.012						

CAP. (uF)	WVDC		
	25		
	SIZE	RIPPLE	IMPED.
220	8X11.5	1080	.032
270	8X11.5	1150	.031
330	8X11.5	1450	.029
	10X12.5	1850	.027
470	8X20	1720	.020
	10X12.5	1440	.025
	10X16	1830	.022
560	10X16	1850	.021
680	8X20	1820	.018
	10X16	1920	.020
	10X20	2060	.018
1000	10X20	2180	.016

RIPPLE CURRENT (mA, RMS) @ 105C 100KHz
MAX ESR (OHM) @ 20C 100KHz