



**GENERAL TECHNICAL CHARACTERISTICS**

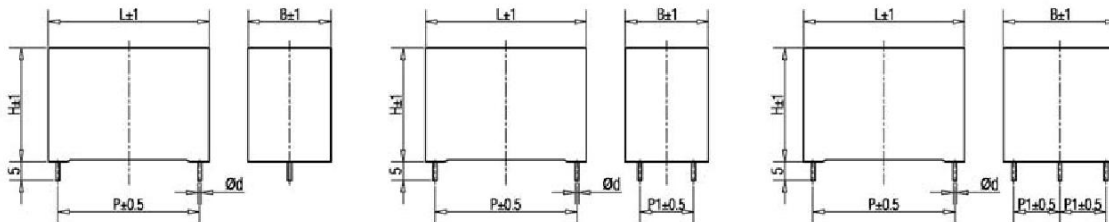
Reference standards : IEC 61071-60068  
 Dielectric : Polypropylene film  
 Construction : Extended metallized carrier film  
 Coating : Solvent resistant plastic case with resin sealing. Flame retardant execution (UL94V-0)  
 Leads: Tinned copper wire, 2 leads, 4 leads, 6 leads

**ELECTRICAL CHARACTERISTICS**

Operating temperature range(case) :- 40 to + 85 °C  
 Capacitance : 0.1 to 60µF  
 Rated Voltage : 330 to 850 VDC  
 Tolerance : ± 5% , ± 10%  
 Dissipation factor:  $10 \times 10^{-4}$  Measured at 1000±20Hz and 25±5°C  
 Life expectancy : 100,000 hours at Un and 70 °C(Hot-spot temperature)

**TEST METHODS AND PERFORMANCES**

Dielectric strength: 2Un (DC) applied for 10s at 25±5°C  
 Test voltage terminal to case : 3kVAC/50Hz for 60s  
 Insulation resistance : ≥ 5000 s (typical value), after 1 minute of electrification at 100Vdc (25±5°C)



**Electrical specifications, ordering codes**

Ordering Code	Cap (µF)	Dimension (mm)						du/dt (v/µs)	Ipeak (A)	Irms@25°C @10kHz (A)	ESR@1.0kHz (mΩ)
		L	B	H	P	P1	d				
Un 330VDC, Urms 200VAC, Us 660V											
XRB-330-0.68-2T#	0.68	26.5	8.5	17.0	22.5		0.8	60	41	5.0	8.5
XRB-330-1.0-2T#	1.0	26.5	10.0	18.5	22.5		0.8	60	60	6.5	6.6
XRB-330-1.5-2T#	1.5	26.5	12.0	22.0	22.5		0.8	60	90	7.0	5.1
XRB-330-1.5-2V#	1.5	31.0	11.0	20.0	27.5		0.8	45	68	7.0	5.8
XRB-330-2.0-2V#	2.0	31.0	13.0	22.0	27.5		1.0	45	90	8.0	5.0
XRB-330-2.2-2V#	2.2	31.0	13.0	22.0	27.5		1.0	45	99	8.5	4.8
XRB-330-2.5-2V#	2.5	31.0	13.0	22.0	27.5		1.0	45	113	9.0	4.6
XRB-330-3.0-2V#	3.0	31.0	15.0	24.5	27.5		1.0	45	135	9.0	4.1
XRB-330-3.3-2V#	3.3	31.0	15.0	24.5	27.5		1.0	45	149	9.0	3.9
XRB-330-4.7-2V#	4.7	31.0	18.0	33.0	27.5		1.2	45	212	12.0	3.1
XRB-330-4.7-4V#	4.7	31.0	18.0	33.0	27.5	5.1	1.2	45	212	16.0	2.6
XRB-330-5.0-2V#	5.0	31.0	18.0	33.0	27.5		1.2	45	225	12.0	2.9
XRB-330-5.0-4V#	5.0	31.0	18.0	33.0	27.5	5.1	1.2	45	225	16.5	2.4
XRB-330-6.8-2V#	6.8	31.0	22.0	31.0	27.5		1.2	45	306	12.0	2.6
XRB-330-6.8-4V#	6.8	31.0	22.0	31.0	27.5	10.2	1.2	45	306	20.0	2.1
XRB-330-6.8-2F#	6.8	42.5	17.0	28.0	37.5		1.2	30	204	12.0	3.3
XRB-330-15-2F#	15	42.5	28.0	37.0	37.5		1.2	30	450	12.0	2.5
XRB-330-15-4F#	15	42.5	28.0	37.0	37.5	10.2	1.2	30	450	22.0	2.0
XRB-330-20-2F#	20	42.5	30.0	45.0	37.5		1.2	30	600	12.0	2.3
XRB-330-20-4F#	20	42.5	30.0	45.0	37.5	20.3	1.2	30	600	22.0	1.8
XRB-330-25-2G#	25	57.5	30.0	45.0	52.5		1.2	17	425	12.0	3.8
XRB-330-25-4G#	25	57.5	30.0	45.0	52.5	20.3	1.2	17	425	22.0	3.2
XRB-330-30-2G#	30	57.5	30.0	45.0	52.5		1.2	17	510	12.0	3.5

XRБ Series – Switching



XRB series / Switching  
Electrical specifications, ordering codes

Ordering Code	Cap ( $\mu$ F)	Dimension (mm)						du/dt (V/ $\mu$ s)	I <sub>peak</sub> (A)	I <sub>rms</sub> @25°C @10kHz (A)	ESR@1.0kHz (m $\Omega$ )
		L	B	H	P	P1	d				
Un 330VDC, Urms 200VAC, Us 660V											
XRB-330-30-4G#	30	57.5	30.0	45.0	52.5	20.3	1.2	17	510	22.0	2.9
XRB-330-30-6G#	30	57.5	30.0	45.0	52.5	10.2	1.2	17	510	25.0	2.9
XRB-330-33-2G#	33	57.5	35.0	50.0	52.5		1.2	17	561	12.0	3.3
XRB-330-33-4G#	33	57.5	35.0	50.0	52.5	20.3	1.2	17	561	22.0	2.7
XRB-330-33-6G#	33	57.5	35.0	50.0	52.5	10.2	1.2	17	561	28.5	2.7
XRB-330-35-2G#	35	57.5	35.0	50.0	52.5		1.2	17	595	12.0	3.2
XRB-330-35-4G#	35	57.5	35.0	50.0	52.5	20.3	1.2	17	595	22.0	2.6
XRB-330-35-6G#	35	57.5	35.0	50.0	52.5	10.2	1.2	17	595	30.0	2.6
XRB-330-40-2G#	40	57.5	35.0	50.0	52.5		1.2	17	680	12.0	3.0
XRB-330-40-4G#	40	57.5	35.0	50.0	52.5	20.3	1.2	17	680	22.0	2.4
XRB-330-40-6G#	40	57.5	35.0	50.0	52.5	10.2	1.2	17	680	32.0	2.4
Un 400VDC, Urms 250VAC, Us 800V											
XRB-400-0.47-2T#	0.47	26.5	8.5	17.0	22.5		0.8	75	35	4.5	8.2
XRB-400-0.68-2T#	0.68	26.5	10.0	18.5	22.5		0.8	75	51	6.0	6.7
XRB-400-0.68-2V#	0.68	31.0	9.0	18.0	27.5		0.8	55	37	6.0	8.4
XRB-400-1.0-2T#	1.0	26.5	12.0	22.0	22.5		0.8	75	75	7.0	5.5
XRB-400-1.0-2V#	1.0	31.0	11.0	20.0	27.5		0.8	55	55	7.0	6.4
XRB-400-1.5-2V#	1.5	31.0	13.0	22.0	27.5		1.0	55	83	9.0	5.0
XRB-400-2.0-2V#	2.0	31.0	15.0	24.5	27.5		1.0	55	110	9.0	4.4
XRB-400-2.2-2V#	2.2	31.0	15.0	24.5	27.5		1.0	55	121	9.0	4.2
XRB-400-2.5-2V#	2.5	31.0	17.0	28.0	27.5		1.0	55	138	9.0	4.0
XRB-400-3.0-2V#	3.0	31.0	17.0	28.0	27.5		1.2	55	165	12.0	3.4
XRB-400-3.0-4V#	3.0	31.0	17.0	28.0	27.5	5.1	1.2	55	165	17.5	2.8
XRB-400-3.3-2V#	3.3	31.0	18.0	33.0	27.5		1.2	55	182	12.0	3.4
XRB-400-3.3-4V#	3.3	31.0	18.0	33.0	27.5	5.1	1.2	55	182	18.0	2.8
XRB-400-4.0-2V#	4.0	31.0	18.0	33.0	27.5		1.2	55	220	12.0	3.1
XRB-400-4.0-4V#	4.0	31.0	18.0	33.0	27.5	10.2	1.2	55	220	21.0	2.5
XRB-400-4.7-2V#	4.7	31.0	22.0	31.0	27.5		1.2	55	259	12.0	2.9
XRB-400-4.7-4V#	4.7	31.0	22.0	31.0	27.5	10.2	1.2	55	259	21.5	2.3
XRB-400-4.7-2F#	4.7	42.5	17.0	28.0	37.5		1.2	40	188	12.0	3.7
XRB-400-5.0-2F#	5.0	42.5	18.0	31.5	37.5		1.2	40	200	12.0	3.5
XRB-400-6.8-2F#	6.8	42.5	22.0	30.0	37.5		1.2	40	272	12.0	3.0
XRB-400-6.8-4F#	6.8	42.5	22.0	30.0	37.5	10.2	1.2	40	272	22.0	2.4
XRB-400-10-2F#	10	42.5	28.0	37.0	37.5		1.2	40	400	12.0	2.6
XRB-400-10-4F#	10	42.5	28.0	37.0	37.5	20.3	1.2	40	400	22.0	2.0
XRB-400-10-6F#	10	42.5	28.0	37.0	37.5	10.2	1.2	40	400	24.0	1.9
XRB-400-15-2F#	15	42.5	30.0	45.0	37.5		1.2	40	600	12.0	2.3
XRB-400-15-4F#	15	42.5	30.0	45.0	37.5	20.3	1.2	40	600	22.0	1.7
XRB-400-15-6F#	15	42.5	30.0	45.0	37.5	10.2	1.2	40	600	28.0	1.7
XRB-400-20-2G#	20	57.5	30.0	45.0	52.5		1.2	20	400	12.0	3.5
XRB-400-20-4G#	20	57.5	30.0	45.0	52.5	20.3	1.2	20	400	22.0	2.9
XRB-400-20-6G#	20	57.5	30.0	45.0	52.5	10.2	1.2	20	400	25.0	2.9
XRB-400-22-2G#	22	57.5	35.0	50.0	52.5		1.2	20	440	12.0	3.4
XRB-400-22-4G#	22	57.5	35.0	50.0	52.5	20.3	1.2	20	440	22.0	2.8
XRB-400-22-6G#	22	57.5	35.0	50.0	52.5	10.2	1.2	20	440	27.0	2.8
XRB-400-25-2G#	25	57.5	35.0	50.0	52.5		1.2	20	500	12.0	3.2
XRB-400-25-4G#	25	57.5	35.0	50.0	52.5	20.3	1.2	20	500	22.0	2.6
XRB-400-25-6G#	25	57.5	35.0	50.0	52.5	10.2	1.2	20	500	28.0	2.6
Un 600VDC, Urms 330VAC, Us 1200V											
XRB-600-0.22-2T#	0.22	26.5	8.5	17.0	22.5		0.8	95	21	3.5	12.2
XRB-600-0.33-2T#	0.33	26.5	10.0	18.5	22.5		0.8	95	31	4.5	9.0
XRB-600-0.47-2T#	0.47	26.5	11.0	20.0	22.5		0.8	95	45	5.5	7.9

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XRБ Series – Switching



XRB series / Switching

Electrical specifications, ordering codes

Ordering Code	Cap ( $\mu$ F)	Dimension (mm)						du/dt (v/ $\mu$ s)	Ipeak (A)	Irms@25°C @10kHz (A)	ESR@1.0kHz (m $\Omega$ )
		L	B	H	P	P1	d				
Un 600VDC, Urms 330VAC, Us 1200V											
XRB-600-0.68-2V#	0.68	31.0	11.0	20.0	27.5		0.8	75	51	6.5	7.2
XRB-600-1.0-2V#	1.0	31.0	15.0	24.5	27.5		1.0	75	75	8.5	5.8
XRB-600-1.5-2V#	1.5	31.0	18.0	33.0	27.5		1.2	75	113	11.0	4.4
XRB-600-2.0-2V#	2.0	31.0	18.0	33.0	27.5		1.2	75	150	12.0	3.8
XRB-600-2.0-4V#	2.0	31.0	18.0	33.0	27.5	10.2	1.2	75	150	16.5	3.2
XRB-600-2.2-2V#	2.2	31.0	18.0	33.0	27.5		1.2	75	165	12.0	3.8
XRB-600-2.2-4V#	2.2	31.0	18.0	33.0	27.5	10.2	1.2	75	165	17.0	3.2
XRB-600-4.0-2F#	4.0	42.5	22.0	30.0	37.5		1.2	55	220	12.0	3.4
XRB-600-4.0-4F#	4.0	42.5	22.0	30.0	37.5	10.2	1.2	55	220	22.0	2.8
XRB-600-4.7-2F#	4.7	42.5	28.0	37.0	37.5		1.2	55	259	12.0	3.1
XRB-600-4.7-4F#	4.7	42.5	28.0	37.0	37.5	10.2	1.2	55	259	22.5	2.5
XRB-600-5.0-2F#	5.0	42.5	28.0	37.0	37.5		1.2	55	275	12.0	3.1
XRB-600-5.0-4F#	5.0	42.5	28.0	37.0	37.5	10.2	1.2	55	275	22.0	2.5
XRB-600-6.8-2F#	6.8	42.5	30.0	45.0	37.5		1.2	55	374	12.0	2.8
XRB-600-6.8-4F#	6.8	42.5	30.0	45.0	37.5	20.3	1.2	55	374	22.0	2.2
XRB-600-9.0-2F#	9.0	42.5	30.0	45.0	37.5		1.2	55	495	12.0	2.6
XRB-600-9.0-4F#	9.0	42.5	30.0	45.0	37.5	20.3	1.2	55	495	22.0	2.0
XRB-600-9.0-6F#	9.0	42.5	30.0	45.0	37.5	10.2	1.2	55	495	27.0	2.0
XRB-600-10-2G#	10	57.5	30.0	45.0	52.5		1.2	30	300	12.0	4.4
XRB-600-10-4G#	10	57.5	30.0	45.0	52.5	20.3	1.2	30	300	22.0	3.8
XRB-600-15-2G#	15	57.5	35.0	50.0	52.5		1.2	30	450	12.0	3.7
XRB-600-15-4G#	15	57.5	35.0	50.0	52.5	20.3	1.2	30	450	22.0	3.1
XRB-600-15-6G#	15	57.5	35.0	50.0	52.5	10.2	1.2	30	450	25.5	3.1
Un 700VDC, Urms 400VAC, Us 1400V											
XRB-700-0.15-2T#	0.15	26.5	8.5	17.0	22.5		0.8	135	20	3.5	12.7
XRB-700-0.22-2T#	0.22	26.5	10.0	18.5	22.5		0.8	135	30	4.5	10.2
XRB-700-0.33-2T#	0.33	26.5	11.0	20.0	22.5		0.8	135	45	6.0	8.1
XRB-700-0.33-2V#	0.33	31.0	11.0	20.0	27.5		0.8	105	35	6.0	10.2
XRB-700-0.47-2V#	0.47	31.0	13.0	22.0	27.5		1.0	105	49	7.0	7.1
XRB-700-0.68-2V#	0.68	31.0	15.0	24.5	27.5		1.0	105	71	9.0	5.8
XRB-700-1.0-2V#	1.0	31.0	17.0	28.0	27.5		1.2	105	105	12.0	4.4
XRB-700-1.0-4V#	1.0	31.0	18.0	33.0	27.5	10.2	1.2	105	105	15.0	3.8
XRB-700-1.5-2V#	1.5	31.0	22.0	31.0	27.5		1.2	105	158	12.0	3.8
XRB-700-1.5-4V#	1.5	31.0	22.0	31.0	27.5	10.2	1.2	105	158	19.5	3.2
XRB-700-1.5-2F#	1.5	42.5	17.0	28.0	37.5		1.2	70	105	12.0	5.3
XRB-700-2.0-2F#	2.0	42.5	22.0	30.0	37.5		1.2	70	140	12.0	4.7
XRB-700-2.2-2F#	2.2	42.5	22.0	30.0	37.5		1.2	70	154	12.0	4.4
XRB-700-2.2-4F#	2.2	42.5	22.0	30.0	37.5	10.2	1.2	70	154	20.0	3.8
XRB-700-3.0-2F#	3.0	42.5	28.0	37.0	37.5		1.2	70	210	12.0	3.7
XRB-700-3.0-4F#	3.0	42.5	28.0	37.0	37.5	20.3	1.2	70	210	20.0	3.1
XRB-700-3.3-2F#	3.3	42.5	28.0	37.0	37.5		1.2	70	231	12.0	3.6
XRB-700-3.3-4F#	3.3	42.5	28.0	37.0	37.5	20.3	1.2	70	231	20.5	3.0
XRB-700-4.0-2F#	4.0	42.5	28.0	37.0	37.5		1.2	70	280	12.0	3.2
XRB-700-4.0-4F#	4.0	42.5	28.0	37.0	37.5	20.3	1.2	70	280	22.0	2.6
XRB-700-4.7-2F#	4.7	42.5	30.0	45.0	37.5		1.2	70	329	12.0	3.0
XRB-700-4.7-4F#	4.7	42.5	30.0	45.0	37.5	20.3	1.2	70	329	22.0	2.4
XRB-700-5.0-2F#	5.0	42.5	30.0	45.0	37.5		1.2	70	350	12.0	2.9
XRB-700-5.0-4F#	5.0	42.5	30.0	45.0	37.5	20.3	1.2	70	350	22.0	2.3
XRB-700-6.0-2F#	6.0	42.5	33.0	45.0	37.5		1.2	70	420	12.0	4.8
XRB-700-6.0-4F#	6.0	42.5	33.0	45.0	37.5	20.3	1.2	70	420	22.0	4.2
XRB-700-6.8-2G#	6.8	57.5	30.0	45.0	52.5		1.2	40	272	12.0	4.5
XRB-700-6.8-4G#	6.8	57.5	30.0	45.0	52.5	20.3	1.2	40	272	22.0	3.9

Electrical specifications, ordering codes

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Ordering Code	Cap	Dimension (mm)	Du/dt	Ipeak	Irms@25°C	ESR@1.0kHz
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## XRB Series – Switching



XRB series / Switching

	( $\mu$ F)	L	B	H	P	P1	d	(v/ $\mu$ s)	(A)	@10kHz (A)	(m $\Omega$ )
Un 700VDC, Urms 400VAC, Us 1400V											
XRB-700-8.0-2G#	8.0	57.5	35.0	50.0	52.5		1.2	40	320	12.0	4.2
XRB-700-8.0-4G#	8.0	57.5	35.0	50.0	52.5	20.3	1.2	40	320	22.0	3.6
XRB-700-8.0-6G#	8.0	57.5	35.0	50.0	52.5	10.2	1.2	40	320	24.0	3.5
XRB-700-9.0-2G#	9.0	57.5	35.0	50.0	52.5		1.2	40	360	12.0	3.9
XRB-700-9.0-4G#	9.0	57.5	35.0	50.0	52.5	20.3	1.2	40	360	22.0	3.3
XRB-700-9.0-6G#	9.0	57.5	35.0	50.0	52.5	10.2	1.2	40	360	25.0	3.2
Un 850VDC, Urms 450VAC, Us 1700V											
XRB-850-0.10-2T#	0.10	26.5	8.5	17.0	22.5		0.8	300	30	4.0	12.8
XRB-850-0.10-2V#	0.10	31.0	9.0	18.0	27.5		0.8	200	20	3.5	15.0
XRB-850-0.15-2T#	0.15	26.5	10.0	18.5	22.5		0.8	300	45	5.5	9.7
XRB-850-0.15-2V#	0.15	31.0	9.0	18.0	27.5		0.8	200	30	5.0	10.7
XRB-850-0.22-2T#	0.22	26.5	11.0	20.0	22.5		0.8	300	66	6.5	7.6
XRB-850-0.22-2V#	0.22	31.0	11.0	20.0	27.5		0.8	200	44	6.5	8.3
XRB-850-0.33-2V#	0.33	31.0	13.0	22.0	27.5		1.0	200	66	8.5	6.3
XRB-850-0.47-2V#	0.47	31.0	15.0	24.5	27.5		1.0	200	94	9.0	5.1
XRB-850-0.68-2V#	0.68	31.0	17.0	28.0	27.5		1.2	200	136	12.0	3.7
XRB-850-0.68-4V#	0.68	31.0	17.0	28.0	27.5	5.1	1.2	200	136	16.5	3.1
XRB-850-1.0-2V#	1.0	31.0	18.0	33.0	27.5		1.2	200	200	12.0	3.0
XRB-850-1.0-4V#	1.0	31.0	18.0	33.0	27.5	10.2	1.2	200	200	20.5	2.4
XRB-850-1.0-2F#	1.0	42.5	17.0	28.0	37.5		1.2	110	110	12.0	3.9
XRB-850-1.5-2F#	1.5	42.5	22.0	30.0	37.5		1.2	110	165	12.0	3.4
XRB-850-2.0-2F#	2.0	42.5	28.0	37.0	37.5		1.2	110	220	12.0	2.9
XRB-850-2.0-4F#	2.0	42.5	28.0	37.0	37.5	10.2	1.2	110	220	21.0	2.3
XRB-850-2.2-2F#	2.2	42.5	28.0	37.0	37.5		1.2	110	242	12.0	2.8
XRB-850-2.2-4F#	2.2	42.5	28.0	37.0	37.5	10.2	1.2	110	242	22.0	2.2
XRB-850-2.5-2F#	2.5	42.5	28.0	37.0	37.5		1.2	110	275	12.0	2.6
XRB-850-2.5-4F#	2.5	42.5	28.0	37.0	37.5	20.3	1.2	110	275	22.0	2.0
XRB-850-3.0-2F#	3.0	42.5	30.0	45.0	37.5		1.2	110	330	12.0	2.4
XRB-850-3.0-4F#	3.0	42.5	30.0	45.0	37.5	20.3	1.2	110	330	22.0	1.8
XRB-850-3.0-6F#	3.0	42.5	30.0	45.0	37.5	10.2	1.2	110	330	25.5	1.8
XRB-850-3.3-2F#	3.3	42.5	30.0	45.0	37.5		1.2	110	363	12.0	2.3
XRB-850-3.3-4F#	3.3	42.5	30.0	45.0	37.5	20.3	1.2	110	363	22.0	1.7
XRB-850-3.3-6F#	3.3	42.5	30.0	45.0	37.5	10.2	1.2	110	363	27.0	1.7
XRB-850-4.0-2G#	4.0	57.5	30.0	45.0	52.5		1.2	55	220	12.0	3.1
XRB-850-4.0-4G#	4.0	57.5	30.0	45.0	52.5	20.3	1.2	55	220	22.0	2.5
XRB-850-4.0-6G#	4.0	57.5	30.0	45.0	52.5	10.2	1.2	55	220	26.0	2.5
XRB-850-4.7-2G#	4.7	57.5	30.0	45.0	52.5		1.2	55	259	12.0	2.7
XRB-850-4.7-4G#	4.7	57.5	30.0	45.0	52.5	20.3	1.2	55	259	22.0	2.1
XRB-850-4.7-6G#	4.7	57.5	30.0	45.0	52.5	10.2	1.2	55	259	31.5	2.1
XRB-850-5.6-2G#	5.6	57.5	35.0	50.0	52.5		1.2	55	308	12.0	2.5
XRB-850-5.6-4G#	5.6	57.5	35.0	50.0	52.5	20.3	1.2	55	308	22.0	1.9
XRB-850-5.6-6G#	5.6	57.5	35.0	50.0	52.5	10.2	1.2	55	308	32.0	1.9
XRB-850-6.0-2G#	6.0	57.5	35.0	50.0	52.5		1.2	55	330	12.0	2.4
XRB-850-6.0-4G#	6.0	57.5	35.0	50.0	52.5	20.3	1.2	55	330	22.0	1.8
XRB-850-6.0-6G#	6.0	57.5	35.0	50.0	52.5	10.2	1.2	55	330	32.0	1.8

<b>XRB</b>	-	<b>700-</b>	<b>1.0 -</b>	<b>2V#</b>
Series		Voltage	Capacitance	Dimension and terminal

- 2** Leads Style, for 2 leads, 4 leads and 6 leads
- V** Lead Pitch, T for 22.5mm, V for 27.5mm, F for 37.5mm, G for 52.5mm
- #** Lead length, none for 5mm, L for 30mm

XRБ Series – Switching