

Radial Lead Type

FS series **A** type



Features

- Endurance : 105 °C 5000 h to 10000 h
- Low ESR, Miniaturized (1 size smaller than series FR)
- RoHS compliant

Country of origin

- Malaysia

Specifications

Category temp. range	-40 °C to +105 °C										
Rated voltage range	6.3 V to 100 V										
Capacitance range	27 μF to 10000 μF										
Capacitance tolerance	±20 % (120 Hz / +20°C)										
Leakage current	I ≤ 0.01 CV (μA) After 2 minutes										
Dissipation factor (tan δ)	Rated voltage (V)	6.3	10	16	25	35	50	63	80	100	(120 Hz / +20°C)
	Dissipation factor (tan δ)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.08	
	For capacitance value ≥ 1000 μF, add 0.02 per every 1000 μF.										
Endurance	After following life test with DC voltage and +105 °C±2 °C ripple current value applied (The sum of DC and ripple peak voltage shall not exceed the rated working voltage) when the capacitors are restored to 20 °C, the capacitors shall meet the limits specified bellow. Duration φ5×11, φ6.3×11.2 : 5000 h φ8×11.5, φ10×12.5 : 6000 h φ8×15, φ10×16 : 8000 h, φ8×20 : 9000 h φ10×20 to φ10×25, φ12.5×20 to φ12.5×35, φ16×20 to φ16×25 : 10000 h										
	Capacitance change		Within ±25 % of the initial value (6.3 V to 10 V : ±30 %)								
	Dissipation factor (tan δ)		≤ 200 % of the initial limit								
	DC leakage current		Within the initial limit								
	Shelf life	After storage for 1000 h at +105 °C±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in endurance. (With voltage treatment)									

Frequency correction factor for ripple current

Freq. (Hz)	60	120	1 k	10 k	100 k to
Cap. (μF)					
27 to 33	0.45	0.55	0.75	0.90	1.00
47 to 330	0.60	0.70	0.85	0.95	1.00
390 to 1000	0.65	0.75	0.90	0.98	1.00
1200 to 10000	0.75	0.80	0.95	1.00	1.00

Dimensions

Technical drawing of a radial lead capacitor. The side view on the left shows a cylindrical body with a rounded end, a sleeve, and two leads. Dimensions include $\phi 6.3 \leq$ for the pressure relief, $\phi d \pm 0.05$ for the lead diameter, L^* for the body length, 14 min. for the lead length, and 3 min. for the lead spacing. The top view on the right shows two circular cross-sections for $\phi 8$ and $\phi 10 \leq$ diameters. Dimensions include $\phi D \pm 0.5$ for the body diameter, $F \pm 0.5$ for the lead spacing, and $\phi D \pm 0.5$ for the lead diameter.

* $L \leq 16 : L \pm 1.5$
 $L \geq 20 : L \pm 2.0$

Unit : mm

	5.0	6.3	8.0	10.0	12.5		16.0
ϕD	5.0	6.3	8.0	10.0	12.5 to 25	30 to 35	16.0
L							
ϕd	0.5	0.5	0.6	0.6	0.6	0.8	0.8
F	2.0	2.5	3.5	5.0	5.0	5.0	7.5

Case size/ Impedance/ Ripple current						
R. voltage Case size (mm) (φD×L)	6.3 V to 35 V			50 V		
	Impedance*1 (Ω)		Ripple current*1 (mA rms)	Impedance*1 (Ω)		Ripple current*1 (mA rms)
	+20 °C	-10 °C	+105 °C	+20 °C	-10 °C	+105 °C
5 × 11	0.300	1.000	280	0.340	1.130	250
6.3 × 11.2	0.130	0.430	455	—	—	—
8 × 11.5	0.056	0.168	950	—	—	—
8 × 15	0.041	0.123	1240	0.045	0.135	1140
8 × 20	0.030	0.090	1560	0.033	0.099	1430
10 × 12.5	0.043	0.114	1290	—	—	—
10 × 16	0.028	0.078	1790	—	—	—
10 × 20	0.020	0.057	2180	0.023	0.069	1890
10 × 25	0.018	0.054	2470	0.022	0.066	2150
12.5 × 20	0.018	0.045	2600	—	—	—
12.5 × 25	0.015	0.038	3190	0.018	0.045	2660
12.5 × 30	0.013	0.033	3630	0.016	0.040	3160
12.5 × 35	0.012	0.030	3750	0.014	0.035	3270
16 × 20	0.017	0.043	3300	—	—	—
16 × 25	0.014	0.035	3820	0.016	0.040	3320

R. voltage Case size (mm) (φD×L)	63 V			80 V to 100 V		
	Impedance*1 (Ω)		Ripple current*1 (mA rms)	Impedance*1 (Ω)		Ripple current*1 (mA rms)
	+20 °C	-10 °C	+105 °C	+20 °C	-10 °C	+105 °C
5 × 11	0.510	2.040	175	—	—	—
6.3 × 11.2	—	—	—	—	—	—
8 × 11.5	—	—	—	0.160	0.720	490
8 × 15	0.068	0.272	741	0.112	0.504	590
8 × 20	0.050	0.200	930	0.096	0.432	810
10 × 12.5	0.063	0.252	761	0.112	0.448	600
10 × 16	0.045	0.180	1073	0.072	0.288	930
10 × 20	—	—	—	0.054	0.224	1120
10 × 25	0.033	0.132	1500	0.044	0.176	1200
12.5 × 20	0.033	0.125	1582	0.043	0.135	1400
12.5 × 25	0.027	0.092	1995	0.034	0.108	1800
12.5 × 30	—	—	—	0.030	0.099	2200
12.5 × 35	0.021	0.071	2780	0.023	0.070	2380
16 × 20	0.029	0.093	2153	0.032	0.108	1450
16 × 25	0.024	0.074	2988	0.025	0.076	2500

*1: 100 kHz

Characteristics list

Rated voltage (V)	Capacitance (±20 %) (μF)	Case size (mm)		Specification			Lead length (mm)				Part No.	Min. Packaging Q'ty (PCS)	
		φD	L	Ripple current* ¹ (mA rms)	Impe- dance* ² (Ω)	Endu- rance (h)	Lead dia. (φd)	Lead space				Straight leads	Taping
								Straight	Taping *B	Taping *H			
6.3	220	5.0	11.0	280	0.300	5000	0.5	2.0	5.0	2.5	EEUFS0J221()	200	2000
	1500	8.0	15.0	1240	0.041	8000	0.6	3.5	5.0	—	EEUFS0J152L()	200	1000
			10.0	12.5	1290	0.043	6000	0.6	5.0	5.0	—	EEUFS0J152()	200
	1800	8.0	20.0	1560	0.030	9000	0.6	3.5	5.0	—	EEUFS0J182L()	200	1000
	2000	8.0	20.0	1560	0.030	9000	0.6	3.5	5.0	—	EEUFS0J202L()	200	1000
		10.0	16.0	1790	0.028	8000	0.6	5.0	5.0	—	EEUFS0J202()	200	500
	2200	10.0	16.0	1790	0.028	8000	0.6	5.0	5.0	—	EEUFS0J222()	200	500
	2700	10.0	20.0	2180	0.020	10000	0.6	5.0	5.0	—	EEUFS0J272()	200	500
	3300	10.0	20.0	2180	0.020	10000	0.6	5.0	5.0	—	EEUFS0J332()	200	500
	3900	10.0	25.0	2470	0.018	10000	0.6	5.0	5.0	—	EEUFS0J392L()	200	500
	4700	12.5	20.0	2600	0.018	10000	0.6	5.0	5.0	—	EEUFS0J472()	200	500
	5100	12.5	25.0	3190	0.015	10000	0.6	5.0	5.0	—	EEUFS0J512()	200	500
	5600	12.5	25.0	3190	0.015	10000	0.6	5.0	5.0	—	EEUFS0J562()	200	500
	6200	12.5	30.0	3630	0.013	10000	0.8	5.0	—	—	EEUFS0J622L	100	—
	6800	12.5	30.0	3630	0.013	10000	0.8	5.0	—	—	EEUFS0J682L	100	—
	7500	12.5	35.0	3750	0.012	10000	0.8	5.0	—	—	EEUFS0J752L	100	—
		16.0	20.0	3300	0.017	10000	0.8	7.5	7.5	—	EEUFS0J752S()	100	250
	8200	12.5	35.0	3750	0.012	10000	0.8	5.0	—	—	EEUFS0J822L	100	—
		16.0	20.0	3300	0.017	10000	0.8	7.5	7.5	—	EEUFS0J822S()	100	250
	9100	16.0	25.0	3820	0.014	10000	0.8	7.5	7.5	—	EEUFS0J912()	100	250
	10000	16.0	25.0	3820	0.014	10000	0.8	7.5	7.5	—	EEUFS0J103()	100	250
10	180	5.0	11.0	280	0.300	5000	0.5	2.0	5.0	2.5	EEUFS1A181()	200	2000
	330	6.3	11.2	455	0.130	5000	0.5	2.5	5.0	2.5	EEUFS1A331()	200	2000
	820	8.0	11.5	950	0.056	6000	0.6	3.5	5.0	—	EEUFS1A821()	200	1000
	1000	10.0	12.5	1290	0.043	6000	0.6	5.0	5.0	—	EEUFS1A102()	200	500
	1200	8.0	15.0	1240	0.041	8000	0.6	3.5	5.0	—	EEUFS1A122L()	200	1000
		10.0	12.5	1290	0.043	6000	0.6	5.0	5.0	—	EEUFS1A122()	200	500
	1800	8.0	20.0	1560	0.030	9000	0.6	3.5	5.0	—	EEUFS1A182L()	200	1000
		10.0	16.0	1790	0.028	8000	0.6	5.0	5.0	—	EEUFS1A182()	200	500
	2000	10.0	20.0	2180	0.020	10000	0.6	5.0	5.0	—	EEUFS1A202()	200	500
	2200	10.0	20.0	2180	0.020	10000	0.6	5.0	5.0	—	EEUFS1A222()	200	500
	2700	10.0	25.0	2470	0.018	10000	0.6	5.0	5.0	—	EEUFS1A272L()	200	500
	3600	12.5	20.0	2600	0.018	10000	0.6	5.0	5.0	—	EEUFS1A362()	200	500
	4700	12.5	25.0	3190	0.015	10000	0.6	5.0	5.0	—	EEUFS1A472()	200	500
	5100	12.5	30.0	3630	0.013	10000	0.8	5.0	—	—	EEUFS1A512L	100	—
	5600	12.5	30.0	3630	0.013	10000	0.8	5.0	—	—	EEUFS1A562L	100	—
		16.0	20.0	3300	0.017	10000	0.8	7.5	7.5	—	EEUFS1A562S()	100	250
	7500	12.5	35.0	3750	0.012	10000	0.8	5.0	—	—	EEUFS1A752L	100	—
	8200	16.0	25.0	3820	0.014	10000	0.8	7.5	7.5	—	EEUFS1A822()	100	250

*1: Ripple current (100 kHz / +105 °C)

*2: Impedance (100 kHz / +20 °C)

• When requesting taped product, please put the letter "B" or "H" between the "()".

Lead wire pitch *B=5 mm, 7.5 mm, H=2.5 mm.

• Please refer to the page of "Taping dimensions".

Characteristics list

Rated voltage (V)	Capacitance (±20 %) (μF)	Case size (mm)		Specification			Lead length (mm)				Part No.	Min. Packaging Q'ty (PCS)	
		φD	L	Ripple current*1 (mA rms)	Impe- dance*2 (Ω)	Endu- rance (h)	Lead dia. (φd)	Lead space				Straight leads	Taping
								Straight	Taping *B	Taping *H			
16	120	5.0	11.0	280	0.300	5000	0.5	2.0	5.0	2.5	EEUFS1C121()	200	2000
	510	8.0	11.5	950	0.056	6000	0.6	3.5	5.0	—	EEUFS1C511()	200	1000
	820	8.0	15.0	1240	0.041	8000	0.6	3.5	5.0	—	EEUFS1C821L()	200	1000
		10.0	12.5	1290	0.043	6000	0.6	5.0	5.0	—	EEUFS1C821()	200	500
	1200	8.0	20.0	1560	0.030	9000	0.6	3.5	5.0	—	EEUFS1C122L()	200	1000
		10.0	16.0	1790	0.028	8000	0.6	5.0	5.0	—	EEUFS1C122()	200	500
	1800	10.0	20.0	2180	0.020	10000	0.6	5.0	5.0	—	EEUFS1C182()	200	500
	2200	10.0	25.0	2470	0.018	10000	0.6	5.0	5.0	—	EEUFS1C222L()	200	500
	2400	12.5	20.0	2600	0.018	10000	0.6	5.0	5.0	—	EEUFS1C242()	200	500
	3300	12.5	25.0	3190	0.015	10000	0.6	5.0	5.0	—	EEUFS1C332()	200	500
	3600	12.5	30.0	3630	0.013	10000	0.8	5.0	—	—	EEUFS1C362L	100	—
	3900	12.5	30.0	3630	0.013	10000	0.8	5.0	—	—	EEUFS1C392L	100	—
	4700	16.0	20.0	3300	0.017	10000	0.8	7.5	7.5	—	EEUFS1C472S()	100	250
	5100	12.5	35.0	3750	0.012	10000	0.8	5.0	—	—	EEUFS1C512L	100	—
	6200	16.0	25.0	3820	0.014	10000	0.8	7.5	7.5	—	EEUFS1C622()	100	250
25	1200	10.0	20.0	2180	0.020	10000	0.6	5.0	5.0	—	EEUFS1E122()	200	500
	2200	12.5	25.0	3190	0.015	10000	0.6	5.0	5.0	—	EEUFS1E222()	200	500
	3300	12.5	35.0	3750	0.012	10000	0.8	5.0	—	—	EEUFS1E332L	100	—
	3900	16.0	25.0	3820	0.014	10000	0.8	7.5	7.5	—	EEUFS1E392()	100	250
35	330	8.0	15.0	1240	0.041	8000	0.6	3.5	5.0	—	EEUFS1V331L()	200	1000
	820	10.0	20.0	2180	0.020	10000	0.6	5.0	5.0	—	EEUFS1V821()	200	500
	1000	10.0	25.0	2470	0.018	10000	0.6	5.0	5.0	—	EEUFS1V102L()	200	500
	1500	12.5	25.0	3190	0.015	10000	0.6	5.0	5.0	—	EEUFS1V152()	200	500
	1800	16.0	20.0	3300	0.017	10000	0.8	7.5	7.5	—	EEUFS1V182S()	100	250
	2700	16.0	25.0	3820	0.014	10000	0.8	7.5	7.5	—	EEUFS1V272()	100	250
50	27	5.0	11.0	250	0.340	5000	0.5	2.0	5.0	2.5	EEUFS1H270()	200	2000
	150	8.0	15.0	1140	0.045	8000	0.6	3.5	5.0	—	EEUFS1H151L()	200	1000
	220	8.0	20.0	1430	0.033	9000	0.6	3.5	5.0	—	EEUFS1H221L()	200	1000
	330	10.0	20.0	1890	0.023	10000	0.6	5.0	5.0	—	EEUFS1H331()	200	500
	390	10.0	25.0	2150	0.022	10000	0.6	5.0	5.0	—	EEUFS1H391L()	200	500
	680	12.5	25.0	2660	0.018	10000	0.6	5.0	5.0	—	EEUFS1H681()	200	500
	820	12.5	30.0	3160	0.016	10000	0.8	5.0	—	—	EEUFS1H821L	100	—
	1000	12.5	35.0	3270	0.014	10000	0.8	5.0	—	—	EEUFS1H102L	100	—
	1200	16.0	25.0	3320	0.016	10000	0.8	7.5	7.5	—	EEUFS1H122()	100	250
63	27	5.0	11.0	175	0.510	5000	0.5	2.0	5.0	2.5	EEUFS1J270()	200	2000
	120	8.0	15.0	741	0.068	8000	0.6	3.5	5.0	—	EEUFS1J121L()	200	1000
		10.0	12.5	761	0.063	6000	0.6	5.0	5.0	—	EEUFS1J121()	200	500
	180	8.0	20.0	930	0.050	9000	0.6	3.5	5.0	—	EEUFS1J181L()	200	1000
		10.0	16.0	1073	0.045	8000	0.6	5.0	5.0	—	EEUFS1J181()	200	500
	330	10.0	25.0	1500	0.033	10000	0.6	5.0	5.0	—	EEUFS1J331L()	200	500
	390	12.5	20.0	1582	0.033	10000	0.6	5.0	5.0	—	EEUFS1J391()	200	500
	560	12.5	25.0	1995	0.027	10000	0.6	5.0	5.0	—	EEUFS1J561()	200	500
	680	16.0	20.0	2153	0.029	10000	0.8	7.5	7.5	—	EEUFS1J681S()	100	250
	820	12.5	35.0	2780	0.021	10000	0.8	5.0	—	—	EEUFS1J821L	100	—
	1000	16.0	25.0	2988	0.024	10000	0.8	7.5	7.5	—	EEUFS1J102()	100	250

*1: Ripple current (100 kHz / +105 °C)

*2: Impedance (100 kHz / +20 °C)

• When requesting taped product, please put the letter "B" or "H" between the "()".
Lead wire pitch *B=5 mm, 7.5 mm, H=2.5 mm.

• Please refer to the page of "Taping dimensions".

Characteristics list

Rated voltage (V)	Capacitance (±20 %) (μF)	Case size (mm)		Specification			Lead length (mm)			Part No.	Min. Packaging Q'ty (PCS)	
		φD	L	Ripple current*1 (mA rms)	Impe- dance*2 (Ω)	Endu- rance (h)	Lead dia. (φd)	Lead space			Straight leads	Taping
								Straight	Taping *B			
80	47	8.0	11.5	490	0.160	6000	0.6	3.5	5.0	EEUFS1K470()	200	1000
	56	8.0	11.5	490	0.160	6000	0.6	3.5	5.0	EEUFS1K560()	200	1000
	68	8.0	15.0	590	0.112	8000	0.6	3.5	5.0	EEUFS1K680()	200	1000
	82	8.0	15.0	590	0.112	8000	0.6	3.5	5.0	EEUFS1K820()	200	1000
	100	8.0	20.0	810	0.096	9000	0.6	3.5	5.0	EEUFS1K101L()	200	1000
		10.0	12.5	600	0.112	6000	0.6	5.0	5.0	EEUFS1K101()	200	500
	120	8.0	20.0	810	0.096	9000	0.6	3.5	5.0	EEUFS1K121L()	200	1000
	150	10.0	16.0	930	0.072	8000	0.6	5.0	5.0	EEUFS1K151()	200	500
	180	10.0	20.0	1120	0.054	10000	0.6	5.0	5.0	EEUFS1K181()	200	500
	220	10.0	20.0	1120	0.054	10000	0.6	5.0	5.0	EEUFS1K221()	200	500
		10.0	25.0	1200	0.044	10000	0.6	5.0	5.0	EEUFS1K221L()	200	500
	270	10.0	25.0	1200	0.044	10000	0.6	5.0	5.0	EEUFS1K271L()	200	500
		12.5	20.0	1400	0.043	10000	0.6	5.0	5.0	EEUFS1K271()	200	500
	390	12.5	25.0	1800	0.034	10000	0.6	5.0	5.0	EEUFS1K391()	200	500
	470	12.5	30.0	2200	0.030	10000	0.8	5.0	—	EEUFS1K471L()	100	—
		16.0	20.0	1450	0.032	10000	0.8	7.5	7.5	EEUFS1K471S()	100	250
	560	12.5	35.0	2380	0.023	10000	0.8	5.0	—	EEUFS1K561L()	100	—
	680	16.0	25.0	2500	0.025	10000	0.8	7.5	7.5	EEUFS1K681()	100	250
100	27	8.0	11.5	490	0.160	6000	0.6	3.5	5.0	EEUFS2A270()	200	1000
	33	8.0	11.5	490	0.160	6000	0.6	3.5	5.0	EEUFS2A330()	200	1000
	39	8.0	15.0	590	0.112	8000	0.6	3.5	5.0	EEUFS2A390()	200	1000
	47	8.0	15.0	590	0.112	8000	0.6	3.5	5.0	EEUFS2A470L()	200	1000
		10.0	12.5	600	0.112	6000	0.6	5.0	5.0	EEUFS2A470()	200	500
	56	8.0	20.0	810	0.096	9000	0.6	3.5	5.0	EEUFS2A560L()	200	1000
	68	8.0	20.0	810	0.096	9000	0.6	3.5	5.0	EEUFS2A680L()	200	1000
		10.0	16.0	930	0.072	8000	0.6	5.0	5.0	EEUFS2A680()	200	500
	120	10.0	20.0	1120	0.054	10000	0.6	5.0	5.0	EEUFS2A121()	200	500
		10.0	25.0	1200	0.044	10000	0.6	5.0	5.0	EEUFS2A121L()	200	500
	150	10.0	25.0	1200	0.044	10000	0.6	5.0	5.0	EEUFS2A151L()	200	500
		12.5	20.0	1400	0.043	10000	0.6	5.0	5.0	EEUFS2A151()	200	500
	180	12.5	25.0	1800	0.034	10000	0.6	5.0	5.0	EEUFS2A181()	200	500
	220	12.5	25.0	1800	0.034	10000	0.6	5.0	5.0	EEUFS2A221()	200	500
	270	12.5	30.0	2200	0.030	10000	0.8	5.0	—	EEUFS2A271L()	100	—
		16.0	20.0	1450	0.032	10000	0.8	7.5	7.5	EEUFS2A271S()	100	250
	330	12.5	35.0	2380	0.023	10000	0.8	5.0	—	EEUFS2A331L()	100	—
	390	16.0	25.0	2500	0.025	10000	0.8	7.5	7.5	EEUFS2A391()	100	250

*1: Ripple current (100 kHz / +105 °C)

*2: Impedance (100 kHz / +20 °C)

- When requesting taped product, please put the letter "B" between the "()".
Lead wire pitch *B=5 mm, 7.5 mm.

- Please refer to the page of "Taping dimensions".

***XiGHOiQHV DQG SUHFDXWiRQV UHJDUGiQJ WKH
WHFKQiFDO iQIRUPDWiRQ DQG XVH RI RXU SURGXFWV
GHVFUiEHG iQ WKiV RQOiQH FDWDORJ.**

- II \RX ZDQW WR XVH RXU SURGXFWV GHVFUiEHG iQ WKiV RQOiQH FDWDORJ IRU DSSOiFDWiRQV UHTXiUiQJ VSHFiDO TXDOiWiHV RU UHOiDEiOiW\, RU IRU DSSOiFDWiRQV ZKHUH WKH IDiOXUH RU PDOIXQFWiRQ RI WKH SURGXFWV PD\ GiUHFwO\ jHRSDUGi]H KXPdQ OiIH RU SRWHQWiDOO\ FDXVH SHUVRQDO iQjXU\ (H. J. DiUFUDIW DQG DHURVSDFH HTXiSPHQW, WUDIiIF DQG WUDQVSRUWDWiRQ HTXiSPHQW, FRPEXVWiRQ HTXiSPHQW, PHGiFDO HTXiSPHQW, DFFiGHQW SUHYHQWiRQ, DQWi-FUiPH HTXiSPHQW, DQG/RU VDIHW\ HTXiSPHQW3, iW iV QHFHVVDU\ WR YHui\ ZKHWKHU WKH VSHFiLiFDWiRQ RI RXU SURGXFWV IiW WR VXFk DSSOiFDWiRQV. 30HDVH HQVXUH WKDW \RX ZiOO DVN DQG FKHFN ZiWK RXU iQTXiu\ GHVN DV WR ZKHWKHU WKH VSHFiLiFDWiRQ RI RXU SURGXFWV IiW WR VXFk DSSOiFDWiRQV XVH EHIRUH \RX XVH RXU SURGXFWV.
- 7KH TXDOiW\ DQG SHUIRUPDQFH RI RXU SURGXFWV DV GHVFUiEHG iQ WKiV RQOiQH FDWDORJ RQO\ DSSO\ WR RXU SURGXFWV ZKHQ XVHG iQ iVRODWiRQ. 7KHUHIRUH, SOHDVH HQVXUH \RX HYDOXDWH DQG YHui\ RXU SURGXFWV XQGhu WKH VSHFiLiF FiUFXPVWDQFHV iQ ZKiFk RXU SURGXFWV DUH DVVHPEOHG iQ \RXU RZQ SURGXFWV DQG iQ ZKiFk RXU SURGXFWV ZiOO DFWXD00\ EH XVHG.
- II \RX XVH RXU SURGXFWV iQ HTXiSPHQW WKDW UHTXiUHV D KiJK GHJUHH RI UHOiDEiOiW\, UHJDUGOHVV RI WKH DSSOiFDWiRQ, iW iV UHFRPPHQGHG WKDW \RX VHW XS SURWHFWiRQ FiUFXiWV DQG UHGxQGDQF\ FiUFXiWV iQ RUGHU WR HQVXUH VDIHW\ RI \RXU HTXiSPHQW.
- 7KH SURGXFWV DQG SURGXFW VSHFiLiFDWiRQV GHVFUiEHG iQ WKiV RQOiQH FDWDORJ DUH VXEjHFw WR FKDQJH IRU iPSURYHPPHQW ZiWKRiW SuiRU QRWiFh. 7KHUHIRUH, SOHDVH EH VXUH WR UHTXHVW DQG FRQiIUP WKH 0DWHVW SURGXFW VSHFiLiFDWiRQV ZKiFk H[SODiQ WKH VSHFiLiFDWiRQ RI RXU SURGXFWV iQ GHWDiO, EHIRUH \RX IiQDOi]H WKH GHViJQ RI \RXU DSSOiFDWiRQV, SXUFKDVH, RU XVH RXU SURGXFWV.
- 7KH WHFKQiFDO iQIRUPDWiRQ iQ WKiV RQOiQH FDWDORJ SURYiGHV H[DPSOHV RI RXU SURGXFWV' W\SiFDO RSHUDWiRQV DQG DSSOiFDWiRQ FiUFXiWV. : H GR QRW JXDUDQWHH WKH QRQ-iQUiQJHPPHQW RI WKiUG SDUW\ 'V iQWHOOFWxD0 SURSHUW\ UiJKWV DQG ZH GR QRW JUDQW DQ\ OiFHQVH, UiJKW, RU iQWHUHVW iQ RXU iQWHOOFWxD0 SURSHUW\.
- II DQ\ RI RXU SURGXFWV, SURGXFW VSHFiLiFDWiRQV DQG/RU WHFKQiFDO iQIRUPDWiRQ iQ WKiV RQOiQH FDWDORJ iV WR EH H[SRUWHG RU SURYiGHG WR QRQ-UHVigHQWV, WKH ODZV DQG UHJXODWiRQV RI WKH H[SRUiQJ FRXQWU\, HVSHFiDOO\ ZiWK UHJDUG WR VHFxiW\ DQG H[SRUW FRQWURO, VKDOO EH REVHUYHG.

**<5HJDUGiQJ WKH &HUWiLiFDWH RI &RPSOiDQFH ZiWK
WKH (8 5R+6 DiUHFWiYH/5(\$&+ 5HJXODWiRQV !**

- 7KH VZiWFKRYHU GDWH IRU FRPSOiDQFH ZiWK WKH 5R+6 DiUHFWiYH/5(\$&+ 5HJXODWiRQV YDUiHV GHSHQGgiQJ RQ WKH SDUW QXPEHU RU VHuIHV RI RXU SURGXFWV.
- :KHQ \RX XVH WKH iQYHQWURU\ RI RXU SURGXFWV IRU ZKiFk iW iV XQFOHDU ZKHWKHU WKRVH SURGXFWV DUH FRPSOiDQW ZiWK WKH 5R+6 DiUHFWiYH/5(\$&+ 5HJXODWiRQ, SOHDVH VHOHFW "6DOHV iQTXiu\" iQ WKH ZHEViWH iQTXiu\ IRUP DQG FRQWDFW XV.

= H GR QRW WDNH DQ\ UHVSROViEiOw\ IRU WKH XVH RI RXU SURGXFWV RXWViGH WKH VFRSH RI WKH VSHFiLiFDWiRQV, GHVFUiSWiRQV, JXiGHOiQHV DQG SUHFDXWiRQV GHVFUiEHG iQ WKiV RQOiQH FDWDORJ.

1RWiFHV

□ SSSoIFDEOH 0DZV DQG UHJXODWiRQV

- 塘7KiV SURGXFW FRPSOihV ZiWK WKH 5R+6 DiUHFwiYH (5HVWUiFwiRQ RI WKH XVH RI FHUWdiQ KD]DUGRXV VXEVDQDFHV iQ HOHFWUiFDO DQG HOHFWURQiF HTXiSPHQW (DI5(&7I9(2011/65/(8 DQG(832015/86333.
- 1R 2]RQH DHSOHwiQJ &KHPiFDOV(2D&'V3, FRQWUROOHG XQGHU WKH ORQUHDO 3URWRPRO \$JUHHPHQW, DUH XVHG iQ SURGXFiQJ WKiV SURGXFW.
 - :H GR QRW XVH 3%%V RU 3%D(V DV EURPiQDWHG IDPH UHWDUGDQWV.
 - ([SRUW SURFHGXUH ZKiFK IROORZHG H[SRUW UHODWHG UHJXODWiRQV, VXFK DV IRUHiJQ H[FKDQJH DQG D IRUHiJQ WUDGH PHWKRQ, RQ WKH RFFDVirQ RI H[SRUW RI WKiV SURGXFW.
 - 7KHVH SURGXFWV DUH QRW GDQJHURXV JRRGV RQ WKH WUDQVSRUWDWiRQ DV iQHwiIiHG E\ 81(8QiWHG 1DWiRQV3 QXPEHUV RU 81 FODVViIiFDWiRQ.

□ /iPiWHG DSSoIFDWiRQV

- 7KiV FDSDFiWRU iV GHViJQH WR EH XVHG IRU HOHFWURQiFV FiUFxiWV VXFK DV DXGiR/YiVXDO HTXiSPHQW, KRPH DSSoIDQFHV, FRPSXWHUV DQG RWKHU RiIiF HTXiSPHQW, RSWiFDO HTXiSPHQW, PHDVXUiQJ HTXiSPHQW.
- 塘+iJK UHOiDEiOiW\ DQG VDIHW\ DUH UHTXiUH > EH / D SRVViEiOiW\ WKDW iQFRUHFWR RSHUDWiRQ RI WKiV SURGXFW PD\ GR KDUP WR D KXPdQ OiH RU SURSHUW\ @ PRUH. :KHQ XVH iV FRQViGHUHG E\ WKH XVH, WKH GHoiYHU\ VSHFiIiFDWiRQV ZKiFK VXiWHG WKH XVH VHSUDUDWHO\ QHHG WR EH H[FKDQJHG.

□ IQWOOHFWXDO SURSHUW\ UiJKWV DQG OiFHQVHV

- 7KH WHFKQiFDO iQIRUPDWiRQ iQ WKiV VSHFiIiFDWiRQ SURYiGHV H[DPSoHV RI RXU SURGXFWV' W\SiFDO RSHUDWiRQV DQG DSSoIFDWiRQ FiUFxiWV. :H GR QRW JXDUDQWHH WKH QRQ-iQIUiQJHPHQW RI WKiUG SDUW\ 'V iQWOOHFWXDO SURSHUW\ UiJKWV DQG ZH GR QRW JUDQW DQ\ OiFHQVH, UiJKW, RU iQWHUHVW iQ RXU iQWOOHFWXDO SURSHUW\.

IWHPV WR EH REVHUYHG

□)RU VSHFiIiFDWiRQ

- 7KiV VSHFiIiFDWiRQ JXDUDQWHV WKH TXDoiW\ DQG SHUIRUPDQFH RI WKH SURGXFW DV iQGiYiGXDO FRPSRQHQWV.
- 7KH GXUDEiOiW\ GiIiHUV GHSHQGQiQ RQ WKH HQYiURQPHQW DQG WKH FRQGiWiRQV RI XVDJH.
- %HIRUH XVH, FKHFN DQG HYDOXDWH WKHiU FRPSDWiEiOiW\ ZiWK DFWXDO FRQGiWiRQV ZKHQ iQVWDOOHG iQ WKH SURGXFWV.
- :KHQ VDIHW\ UHTXiUHPHQWV FDQQRW EH VDWiViIiHG iQ \RXU WHFKQiFDO H[DPiQDWiRQ, iQIRUP XV iPPHiDWHO\.
- 塘DR QRW XVH WKH SURGXFWV EH\RQG WKH VSHFiIiFDWiRQV GHVFUiEHG iQ WKiV GRFXPHQW.

□ 8SRQ DSSoIFDWiRQ WR SURGXFWV ZKHUH VDIHW\ iV UHJDUGHG DV iPSRUWDQW

- IQVWDOO WKH IROORZiQJ V\VWHPV IRU D IDioVDiH GHViJQ WR HQVXUH VDIHW\ iI WKHVH SURGXFWV DUH WR EH XVHG iQ HTXiSPHQW ZKHUH D GHIHFW iQ WKHVH SURGXFWV PD\ FDXVH WKH ORVV RI KXPdQ OiH RU RWKHU ViJQiIiFDWiRQ GDPDJH, VXFK DV GDPDJH WR YHKiFOHV (DXWRPREiOH, WUDiQ, YHVW03, WUDiIiF OiJKWV, PHGiFDO HTXiSPHQW, DHURVSDFH HTXiSPHQW, HOHFWUiF KHDWiQJ DSSoIDQFHV, FRPEXVWiRQ/ JDV HTXiSPHQW, URWDWiQJ URWDWiQJ HTXiSPHQW, DQG GiVDVWU/FUiPH SUHYHQWiRQ HTXiSPHQW.
- (13 7KH V\VWHP iV HTXiSSHG ZiWK D SURWHFWiRQ FiUFxiW DQG SURWHFWiRQ GHYiFH.
- (23 7KH V\VWHP iV HTXiSSHG ZiWK D UHGXDQGDQW FiUFxiW RU RWKHU V\VWHP WR SUHYHQW DQ XQVDiH VWDWXV iQ WKH HYHQW RI D ViQJOH iDXOW.

□ &RQGiWiRQV RI XVH

- %HIRUH XViQJ WKH SURGXFWV, FDUHiX00\ FKHFN WKH HiIHFVW RQ WKHiU TXDoiW\ DQG SHUIRUPDQFH, DQG GHWHUPiQH ZKHWKHU RU QRW WKH\ FDQ EH XVHG. 7KHVH SURGXFWV DUH GHViJQH DQG PDQXiDFWXUH IRU JHQHUDO-SXUSRVH DQG VWDQGDUG XVH iQ JHQHUDO HOHFWURQiF HTXiSPHQW. 7KHVH SURGXFWV DUH QRW iQWHQG HG IRU XVH iQ WKH IROORZiQJ VSHFiDO FRQGiWiRQV.
 - (13 IQ OiTXiG, VXFK DV :DWHU, 2i0, &KHPiFDOV, RU 2UJDQiF VROYHQW.
 - (23 IQ GiUHFV VXQOiJKW, RXWGRUV, RU iQ GXVW.
 - (33 IQ YDSRU, VXFK DV GHZ FRQGHQVDWiRQ ZDWHU RI UHViVWiYH HOHPHQW, RU ZDWHU OHNDJH, VDOV\ DiU, RU DiU ZiWK D KiJK FRQFHQWUDWiRQ FRUURViYH JDV, VXFK DV 02, +26, 1+3, 622, RU 12[.
 - (43 IQ DQ HQYiURQPHQW ZKHUH VWURQJ VWDWiF HOHFWUiFiW\ RU HOHFWURPDJQHWiF ZDYHV H[iVW.
 - (53 ORXQWiQJ RU SODFiQJ KHDW-JHQHUDWiQJ FRPSRQHQWV RU iQIODPPDEOHV, VXFK DV YiQ\O-FRDWHG ZiUHV, QHDU WKHVH SURGXFWV.
 - (63 6HDOiQJ RU FRDWiQJ RI WKHVH SURGXFWV RU D SuiQWHG FiUFxiW ERDUG RQ ZKiFK WKHVH SURGXFWV DUH PRXQWHG, ZiWK UHViQ DQG RWKHU PDWHUiDO.
 - (73 8ViQJ UHVROYHQW, ZDWHU RU ZDWHU-VROXEOH FOHDQHU IRU IOX[FOHDQiQJ DJHQW DiWHU VROGHUiQJ. (IQ SDUWiFXODU, ZKHQ XViQJ ZDWHU RU D ZDWHU-VROXEOH FOHDQiQJ DJHQW, EH FDUHiXO QRW WR OHDYH ZDWHU UHVigXHV3
 - (83 8ViQJ iQ WKH DWPRVSKUH ZKHUH VWUD\V DFiG RU DONDOIQH.
 - (93 8ViQJ iQ WKH DWPRVSKUH ZKHUH WKUH DUH H[FHVViYH YiEUDWiRQ DQG VKRFN.
- 塘30HDVH DUUDQJH FiUFxiW GHViJQ IRU SUHYHQWiQJ iPSXOVH RU WUDQViWiRQDO YROWDJH.
- DR QRW DSSo\ YROWDJH, ZKiFK H[FHHGV WKH iXOO UDWHG YROWDJH ZKHQ WKH FDSDFiWRU UHFHiYH iPSXOVH YROWDJH, iQVWDQGDQHRXV KiJK YROWDJH, KiJK SXOVH YROWDJH HWF.
- 2XU SURGXFWV WKHUH iV D SURGXFW DUH XViQJ DQ HOHFWURO\WH VROXWiRQ. 7KHUHIRUH, PiVXVH FDQ UHVXOW iQ UDSiG GHWHUiRUDWiRQ RI FKDUDFWHUiVViFV DQ IXQFWiRQV RI HDFK SURGXFW. (OHFWURO\WH OHNDJH GDPDJH SuiQWHG FiUFxiW DQG DiIHFVW SHUIRUPDQFH, FKDUDFWHUiVViFV, DQG IXQFWiRQV RI FXVWRPHU V\VWHP.

! \$\$\$oiFDWiRQ JXiGH0iQHv 5DGiDO OHDG 7\SH3

1. &iUFXiW GHViJQ

1.1 2SHUDWiQJ WHPSHUDWXUH DQG IUHTXHQF\

(OHFWUiFDO FKDUFWHUiVWiFV RI WKH FDSDFiWRU DUH OiNH0\ WR FKDQJH GXH WR YDUiDWiRQ iQ WHPSHUDWXUH DQG/RU IUHTXHQF\.

&iUFXiW GHViJQHUV VKRXOG WDNH WKHVV FKDQJHV iQWR FRQViGHUDWiRQ.

(13 (IIHFW RI RSHUDWiQJ WHPSHUDWXUH RQ HOHFWUiFDO SDUDPHWHUV

\$W KiJKHU WHPSHUDWXUHV : OHNDJH FXUUHQW DQG FDSDFiWDQFH iQFUHDVH ZKiOH HTXiYDOHQW VHUiHV UHViVWDQFH ((653 GHFUHDVHV.

\$W ORZHU WHPSHUDWXUHV : OHNDJH FXUUHQW DQG FDSDFiWDQFH GHFUHDVH ZKiOH HTXiYDOHQW VHUiHV UHViVWDQFH ((653 iQFUHDVHV.

(23 (IIHFW RI IUHTXHQF\ RQ HOHFWUiFDO SDUDPHWHUV

\$W KiJKHU IUHTXHQFiHV : FDSDFiWDQFH DQG iPSHGQFH GHFUHDVH ZKiOH WDQ G iQFUHDVHV.

\$W ORZHU IUHTXHQFiHV : KHDW JHQHUDWHG E\ UissoH FXUUHQW ZiOO UivH GXH WR DQ iQFUHDVH iQ HTXiYDOHQW VHUiHV UHViVWDQFH ((653.

1.2 2SHUDWiQJ WHPSHUDWXUH DQG OiH H[SHFWDQF\

(13 ([SHFWHG OiH iV DIIHFWHG E\ RSHUDWiQJ WHPSHUDWXUH. *HQHUD00\, HDFK 10 % UHGXFWiRQ iQ WHPSHUDWXUH ZiOO GRXEOH WKH H[SHFWHG OiH. 8VH FDSDFiWRUV DW WKH ORZHV SRVViEOH WHPSHUDWXUH EHORZ WKH XSSHU FDWHJRU\ WHPSHUDWXUH.

(23 II RSHUDWiQJ WHPSHUDWXUHV H[FHG WKH XSSHU FDWHJRU\ OiPiW, UDSiG GHWHUiRUDWiRQ RI HOHFWUiFDO SDUDPHWHU ZiOO RFFXU DQG iUHYHUViEOH GDDJH ZiOO UHVXOW.

&KHFN IRU WKH PD[iPXP FDSDFiWRU RSHUDWiQJ WHPSHUDWXUHV iQFOXGiQJ DPEiHQW WHPSHUDWXUH, iQWHUQDO FDSDFiWRU WHPSHUDWXUH UivH GXH WR UissoH FXUUHQW, DQG WKH HIIHFW RI UDGiDWHG KHDW IURP SRZHU WUDQViVRUV, I&'V RU UHViVRUV.

\$YRiG SODFiQJ FRPSRQHQWV, ZKiFK FRXOG FRQGXFV KHDW WR WKH FDSDFiWRU IURP WKH EDFN ViG RI WKH FiUFXiW ERDUG.

(33 7KH IRUPXOD IRU FDOFXODWiQJ H[SHFWHG OiH DW ORZHU RSHUDWiQJ WHPSHUDWXUHV iV DV IROORZV ;

$$/2 = /1^{1/2} \frac{71-72}{10}$$

/1 %XDUDQWHG OiH (K3 DW WHPSHUDWXUH, 71 %

/2 %([SHFWHG OiH (K3 DW WHPSHUDWXUH, 72 %

71 %SSSHU FDWHJRU\ WHPSHUDWXUH + WHPSHUDWXUH UivH GXH WR UDWHG UissoH FXUUHQW (%&3

72 %\$FWXDO RSHUDWiQJ WHPSHUDWXUH, DPEiHQW WHPSHUDWXUH + WHPSHUDWXUH UivH GXH WR UissoH FXUUHQW (%&3

(43 8ViQJ WKH FDSDFiWRU EH\RQG WKH HVWiPDWHG OiHWiPH ZiOO UHVXOW iQ VKRUW FiUFXiW, HOHFWURO\WH OHDN, YHQW RSHQ,

DQG ODUJH GHWHUiRUDWiRQ RI FKDUFWHUiVWiFV. 7KH OiHWiPH FDOQRW JR DERYH 15 \HUV GXH WR DJiQJ RI VHDOiQJ UXEEHU.

1.3 &RPPRQ DSSoiFDWiRQ FRQGiWiRQV WR DYRiG

7KH IROORZiQJ PiVDSSoiFDWiRQ ORDQ FRQGiWiRQV ZiOO FDXVH UDSiG GHWHUiRUDWiRQ RI D FDSDFiWRUV HOHFWUiFDO SDUDPHWHUV.

iQ DGGiWiRQ, UDSiG KHDWiQJ DQG JDV JHQHUDWiRQ ZiWiKi WKH FDSDFiWRU FDQ RFFXU, FDXViQJ WKH SUHVXUH UHOiHI YHQW

WR RSHUDWH DQG UHVXOWDQW OHNDJH RI HOHFWURO\WH. 8QGHU H[WUHPH FRQGiWiRQV, H[SORViRQ DQG Iiuh iJQiWiRQ FRXOG UHVXOW.

7KH OHDNHG HOHFWURO\WH iV FRPEXVViEOH DQG HOHFWUiFDO\ FRQGXFWiYH.

(13 5HYHUVH YROWDJH

D& FDSDFiWRUV KDYH SRODUiW\ 7KHUHIRUH, SOHDVH GR QRW DSSO\ WKH UHYHUVH YROWDJH. 9HUiI\ FRUHHFW SRODUiW\ EHIRUH iQVHUWiRQ.

)RU FiUFXiWV ZiWK FKDQJiQJ RU XQFHUWDiQ SRODUiW\ XVH D& EISRODU FDSDFiWRUV. D& EISRODU FDSDFiWRUV DUH QRW VXiWDEOH IRU XVH iQ \$& FiUFXiWV.

(23 &KDUJH / DiVF&DUJH DSSoiFDWiRQV

6WDQGDUG FDSDFiWRUV DUH QRW VXiWDEOH IRU XVH iQ UHSHDWiQJ FKDUJH/GiVF&DUJH DSSoiFDWiRQV.)RU FKDUJH/GiVF&DUJH DSSoiFDWiRQV, FRQVXOW XV ZiWK \RXU DFWXDO DSSoiFDWiRQ FRQGiWiRQ.

)RU UXVK FXUUHQW, SOHDVH WR QRU H[FHG 100 \$.

(33 21-2)) FiUFXiW

DR QRW XVH FDSDFiWRUV iQ FiUFXiW ZKHUH 21-2)) VZiWFKiQJ iV UHSHDWHG PRUH WKDQ 10000 WiPHV/SHU GD\.

iQ FDVH RI DSSoiQJ WR WKH WKHVV 21-2)) FiUFXiW, FRQVXOW ZiWK XV DERXW FiUFXiW FRQGiWiRQ DQG VR RQ.

(43 2YHU YROWDJH

DR QRW DSSO\ YROWDJHV H[FHHGiQJ WKH PD[iPXP VSHFiIHG UDWHG YROWDJH. 9ROWDJHV XS WR WKH VXUJH YROWDJH
UDWiQJ DUH DFFHSWDEOH IRU VKRUW SHUIRGV RI WiPH.
(QVXUH WKDW WKH VXP RI WKH D& YROWDJH DQG WKH VXSHUiPSRVHG \$& UissoH YROWDJH GRHV QRW H[FHHG WKH
UDWHG YROWDJH.

(53 5iSSOH FXUUHQW

DR QRW DSSO\ UissoH FXUUHQWV H[FHHGiQJ WKH PD[iPXP VSHFiIHG YDOXH.)RU KiJK UissoH FXUUHQW DSSoIFDWiRQV,
XVH D FDSDFiWRU GHViJQH IRU KiJK UissoH FXUUHQWV. IQ DGGiWiRQ, FRQVXOW XV iL WKH DSSoiHG UissoH FXUUHQW iV WR
EH KiJKHU WKDQ WKH PD[iPXP VSHFiIHG YDOXH. (QVXUH WKDW UDWHG UissoH FXUUHQWV WKDW VXSHUiPSRVHG RQ ORZ
D& EIdV YROWDJHV GR QRW FDXVH UHYHUVH YROWDJH FRQGiWiRQV.
(YHQ iL iW iV ZiWkiQ D UDWHG UissoH FXUUHQW, iQ FdVH WKH SUDFiWfD0 XVH iV RYHU WKH SUH GHVFUiEHG HQGXUDQFH
0iHWiPH, iW FDXVH WKH iQFUDVH RI GHWHUiRUDWiRQ RI (65 FKDUFWHUiVWiF DQG WKH iQWHUQD0 JHQHUDWiRQ KHDW E\
UissoH FXUUHQW. DXH WR WKiV, WKHUH iV VRPH SRViEioiW\ RI YHQW RSHQ, EXOJiQJ RI VOHHYH DQG UXEEHU, HOHFWURO\WH
OHDNDJH, DQG VKRW FiUFXiW, H[SORViRQ DQG iJQiWiRQ iQ WKH ZRUVW FdVH.

1.4 8ViQJ WZR RU PRUH FDSDFiWRUV iQ SDUDOOHO

(13 &DSDFiWRUV FRQQHFWHG iQ SDUDOOHO

7KH FiUFXiW UHVViWDQFH FDQ FORVHO\ DSSUR[iPDWH WKH VHUiHV UHVViWDQFH RI WKH FDSDFiWRU, FDXViQJ DQ iPEDODQFH RI
UissoH FXUUHQW ORDGV ZiWkiQ WKH FDSDFiWRUV. &DUHiX0 ZiUiQJ PHWKRGV FDQ PiQiPi]H WKH SRViEoH DSSoIFDWiRQ RI DQ
H[FHVViYH UissoH FXUUHQW WR D FDSDFiWRU.

(23 &DSDFiWRUV FRQQHFWHG iQ VHUiHV

DiIiHUHQFHV iQ QRUPD0 D& OHDNDJH FXUUHQW DPRQJ FDSDFiWRUV FDQ FDXVH YROWDJH iPEDODQFHV.
7KH XVH RI YROWDJH GiYiGHU VKXQW UHVViWRUV ZiWK FRQViGHUDWiRQ WR OHDNDJH FXUUHQWV FDQ SUHYHQW FDSDFiWRU
YROWDJH iPEDODQFHV.

127 (: 30HDVH GR QRW XVH iQ WKH VHUiHV iQ WKH FdVH RI FRQGXFWiYH SRO\PHU K\EUiG DOXPiQXP HOHFWURO\WiF FDSDFiWRU.

1.5 &DSDFiWRU PRXQWiQJ FRQViGHUDWiRQV

(13 DRXEOH-ViGHG FiUFXiW ERDUG

\$YRiG ZiUiQJ SDWWHUQ UXQV, ZKiFK SDVV EHWZHHQ WKH PRXQWHG FDSDFiWRU DQG WKH FiUFXiW ERDUG.
:KHQ GiSSiQJ iQWR D VROGHU EDWK, DQ H[FHVViYH VROGHU PD\ GHSRViW XQGHU WKH FDSDFiWRU E\ FDSiOODU\ DFWiRQ,
FDXViQJ VKRUW FiUFXiW EHWZHHQ DQRGH DQG FdWKRGH WHUPiQD0V.

(23 &iUFXiW %RDUG +ROH 3RViWiRQiQJ

7KH YiQ\0 VOHHYH RI WKH FDSDFiWRU FDQ EH GDPD.JHG iL VROGHU SDVVHV WKURXJK D OHdG KROH iQWR WKH VXEVTXHQQW\
SURFHVViHG SDUWV.

6SHFiD0 FDUH ZKHQ ORFDWiQJ KROH SRViWiRQV iQ SUR[iPiW\ WR FDSDFiWRUV iV UHFRPPHQGHG.

(33 &iUFXiW %RDUG +ROH 6SDFiQJ

7KH VSDFiQJ RI FiUFXiW ERDUG KROHV VKRX0G PDWFK WKH OHdG ZiUH VSDFiQJ RI FDSDFiWRUV ZiWkiQ WKH VSHFiIHG
WROHUDQFHV. IQFRUHFV VSDFiQJ FDQ FDXVH DQ H[FHVViYH OHdG ZiUH VWUHV GXUiQJ WKH iQVHUWiRQ SURFHV.
7KiV PD\ UHVXOW iQ SUHPDWXUH FDSDFiWRU iDioxUH GXH WR WKH VKRUW RU RSHQ FiUFXiW, iQFUDVHG OHDNDJH FXUUHQW,
RU HOHFWURO\WH OHDNDJH.

(43 &OHDUDQFH IRU FdVH PRXQWHG SUHVViXUH UHOiHI

&DSDFiWRUV ZiWK FdVH PRXQWHG SUHVViXUH UHOiHI UHTXiUH VXIiFiHQW FOHDUDQFH WR DOORZ IRU SURSHU SUHVViXUH
UHOiHI RSHUDWiRQ.

7KH PiQiPXP FOHDUDQFH DUH GHSHQGHQW RQ FDSDFiWRU GiDPHWHUV DV iROORZV.

(DiD 10 PP WR DiD 16 PP : 2 PP PiQiPXP, DiD 18 PP : 3 PP PiQiPXP)

(53 :iUiQJ QHDU WKH SUHVViXUH UHOiHI

\$YRiG ORFDWiQJ KiJK YROWDJH RU KiJK FXUUHQW ZiUiQJ RU FiUFXiW ERDUG SDWKV DERYH WKH SUHVViXUH UHOiHI.
)ODPPDEOH, KiJK WHPSHUDWXUH JDV WKDW H[FHHGV 100 °& PD\ EH UHOHDVHG ZKiFK FRXOG GiVVROYH WKH ZiUH
iQVXODWiRQ DQG iJQiWH.

(63 &iUFXiW ERDUG SDWWHUQV XQGHU WKH FDSDFiWRU

\$YRiG FiUFXiW ERDUG UXQV XQGHU WKH FDSDFiWRU, DV DQ HOHFWUiFD0 VKRUW FDQ RFFXU GXH WR DQ HOHFWURO\WH OHDNDJH.

(73 30HDVH QRWH WKH UHVRQDQW DiWHU SURGXFW iPS0HPHQWDWiRQ

7KH YiFiQW\ RI WKH UHVRQDQW SRiQW Zi00 WDNH D KHDY\ ORDQ RQ WKH FDSDFiWRU.

&DSDFiWRUV FDQ FDXVH UDSiG FKDQJH iQ FKDUFWHUiVWiF DQG GURSXRW E\ WKiV ORDQ.

1.6 (OHFWUiFD0 iVR0DWiRQ RI WKH FDSDFiWRU

&RPSOHWHO\ iVR0DWH WKH FDSDFiWRU DV iROORZV.

%HWZHHQ WKH FdWKRGH DQG WKH FdVH DQG EHWZHHQ WKH DQRGH WHUPiQD0 DQG RWKHU FiUFXiW SDWKV.

1.7 &DSDFiWRU 6OHYH

7KH YiQ\O VOHHYH RU ODPiQDWH FRDWiQJ iV iQWHQGHG IRU PDUNiQJ DQG iGHQWiIiFDWiRQ SXUSRVHV DQG iV QRW PHDQW WR HOHFWUiFD00\ iQVXODWH WKH FDSDFiWRU.

7KH VOHHYH PD\ VSOiW RU FUDFN iI iPPHUVHG iQWR VROYHQWV VXFV DV WROXHQH RU [\OHQH DQG WKHQ VXEVTXHQWO\ H[SRVHG WR KiJK WHPSHUDWXUHV.

2. &DSDFiWRU KDQGOiQJ WHFKQiTXHV**2.1 &RQViGHUdWiRQV EHIRUH XViQJ**

(13 &DSDFiWRUV KDYH D IiQiWH OiIH. DR QRW UHXVH RU UHF\FOH FDSDFiWRUV IURP XVHG HTXiSPHQW.

(23 7UDQViHQW UHFRYHU\ YROWDJH PD\ EH JHQHdWHG iQ WKH FDSDFiWRU GXH WR GiHOHFWUiF DEVRUSWiRQ.

II UHTXiUH, WKiV YROWDJH FDQ EH GiVFKDUJHG ZiWK D UHViVWRU ZiWK D YDOXH RI DERXW 1 N .

(33 &DSDFiWRUV VWRUHG IRU D ORQJ SHUiRG RI WiPH PD\ H[KiEiW DQ iQFUDVH iQ OHdNDJH FXUHQW.

7KiV FDQ EH FRUHHFWHG E\ JUDGXDOO\ DSSO\iQJ UDWHG YROWDJH iQ VHUiHV ZiWK D UHViVWRU RI DSSUR[iPDWHO\ 1 N .

(43 II FDSDFiWRUV DUH GURSSHG, WKH\ FDQ EH GDPDJHG PHFKDQiFD00\ RU HOHFWUiFD00\ \$YRiG XViQJ GURSSHG FDSDFiWRUV.

(53 DHQWHG RU FUXVKHG FDSDFiWRUV VKRXOG QRW EH XVHG.

7KH VHDO iQWHJUiW\ FDQ EH GDPDJHG DQG ORVV RI HOHFWURO\WH/ VKRUWHQHG OiIH FDQ UHVXOW.

2.2 &DSDFiWRU iQVHUWiRQ

(13 9HUiI\ WKH FRUHHFW FDSDFiWDQFH DQG UDWHG YROWDJH RI WKH FDSDFiWRU.

(23 9HUiI\ WKH FRUHHFW SRODUiW\ RI WKH FDSDFiWRU EHIRUH iQVHUWiRQ.

(33 9HUiI\ WKH FRUHHFW WHUPiQDO GiPHQViRQ DQG ODQG SDWWHUQ Vi]H EHIRUH PRXQW WR DYRiG VWUHV RQ WKH WHUPiQDOV.

(43 (QVXH WKDW WKH OHdG FOiQFKiQJ RSHUDWiRQ GRQH E\ DXWR iQVHUWiRQ HTXiSPHQWV GRHV QRW VWUHV WKH FDSDFiWRU OHdGV ZKHUH WKH\ HQWHU WKH VHDO RI WKH FDSDFiWRU.

2.3 JORZ 6ROGHUiQJ

(13 DR QRW iPPHUVH WKH FDSDFiWRU ERG\ iQWR WKH VROGHU EDWK DV H[FHVViYH iQWHUQDO SUHVXUH FRXOG UHVXOW.

(23 \$SSO\ SURSHU VROGHUiQJ FRQGiWiRQV (WHPSHUDWXUH, WiPH, HWF.3. DR QRW H[FHHG WKH VSHFiIiHG OiPiWV.

(33 DR QRW DOORZ RWKHU SDUUV RU FRPSRQHQWV WR WRXFK WKH FDSDFiWRU GXUiQJ VROGHUiQJ.

(43 5DGiD0 OHdG W\SH FDSDFiWRUV DUH QRW DOORZHG IRU WKH UHIORZ VROGHUiQJ.

2.4 0DQXD0 VROGHUiQJ

(13 \$SSO\ VROGHUiQJ FRQGiWiRQV (WHPSHUDWXUH DQG WiPH3 EDVHG RQ WKH VSHFiIiFDWiRQ, RU GR QRW H[FHHG WHPSHUDWXUH RI 350 ʘ IRU 3 VHFRRQV RU OHVV.

(23 II OHdG ZiUH PXV EH PRGiIiHG WR PHHW WHUPiQDO ERDUG KROH VSDFiQJ, DYRiG VWUHV RQ WKH OHdG ZiUH ZKHUH iW HQWHUWK WKH FDSDFiWRU VHDO.

(33 II D VROGHUHG FDSDFiWRU PXV EH UHPRYHG DQG UHiQVHUWHG, DYRiG H[FHVViYH VWUHV RQ WKH FDSDFiWRU OHdGV.

(43 \$YRiG SK\ViFD0 FRQWDFW EHWZHHQ WKH WiS RI WKH VROGHUiQJ iURQ DQG FDSDFiWRUV WR SUHYHQW PHOWiQJ RI WKH YiQ\O VOHHYH.

2.5 2WKHU 6ROGHUiQJ &RQViGHUdWiRQV

5DSiG WHPSHUDWXUH UiVH GXUiQJ WKH SUKHDW RSHUDWiRQ DQG UHViQ ERQGiQJ RSHUDWiRQ FDQ FDXVH FUDFNiQJ RI WKH FDSDFiWRUbV YiQ\O VOHHYH.

)RU KHDW FXUiQJ, GR QRW H[FHHG 150 ʘ IRU WKH PD[iXP WiPH RI 2 PiQXWHV.

2.6 &DSDFiWRU KDQGOiQJ DIWHU VROGHUiQJ

(13 \$YRiG PRYiQJ WKH FDSDFiWRU DIWHU VROGHUiQJ WR SUHYHQW H[FHVViYH VWUHV RQ WKH OHdG ZiUH ZKHUH WKH\ HQWHUWK WKH VHDO. 7KH FDSDFiWRU PD\ EUHDN IURP HOHPHQW SRUWiRQ GXH WR D WRUTXH DW RXWHU UiP, FDXViQJ D ODUJH VWUHV WR WHUPiQDOV.

(23 DR QRW XVH WKH FDSDFiWRU DV D KDQGOH ZKHQ PRYiQJ WKH FiUFXiW ERDUG DVVHPEO\ 7KH WRWDO ZHiJKW RI WKH ERDUG ZRXOG DSSO\ WR HOHPHQW SRUWiRQ WKURXJK WHUPiQDOV, DQG WKH FDSDFiWRU PD\ EUHDN.

(33 \$YRiG VWUHNiQJ WKH FDSDFiWRU DIWHU DVVHPEO\ WR SUHYHQW IDiXUH GXH WR H[FHVViYH VKRFN. 7KH FDSDFiWRU PD\ EUHDN GXH WR H[FHVViYH VKRFN RU ORDQ DERYH VSHFiIiHG UDQJH.

2.7 &iUFXiW ERDUG FOHDQiQJ

(13 &iUFXiW ERDUGV FDQ EH iPPHUVHG RU XOWUDVRQiFD00\ FOHDQHG XViQJ VXiWDEOH FOHDQiQJ VROYHQWV IRU XS WR

5 PiQXWHV DQG XS WR 60 ʘ PD[iXP WHPSHUDWXUHV. 7KH ERDUGV VKRXOG EH WKURXJKO\ UiQVHG DQG GuiHG.

7KH XVH RI R]RQH GHSHWiQJ FOHDQiQJ DJHQWV iV QRW UHFRPPHQGHG IRU WKH SXUSRVH RI SURWHFWiQJ RXU HQYiURQPHQW.

岩7DUJHW VROYHQW咀

3iQH \$OSKD 67-1006, \$TXD &0HDQHU 2106(3, &0HDQ-WKUX 750+ / 750 / 7100, 6XQHOHF %-12,

6XQHOHF %-12, &ROG &0HDQHU 33-375, 7HFKQR &0HDQHU 219, DK %H-FOHDU &:-5790,

7HOSHQH &0HDQHU (&-75, 7HFKQRFDUH)5:-17 /)5:-1 /)59-1

(23 \$YRiG xViQJ WKH IROORZiQJ VROYHQW JURXSV XQOHVV VSHFiLiFD00\ DOORZHG iQ WKH VSHFiLiFDWiRQ ;
 (D3 +DORJHQDWHG FOHDQiQJ VROYHQWV ? H[FHSW IRU VROYHQW UHVivWDQW FDSDFiWRU W\SHV, KDORJHQDWHG VROYHQWV FDQ
 SHUPHDWH WKH VHDO DQG FDXVH iQWHUQDO FDSDFiWRU FRUURViRQ DQG IDiOXUH.
)RU VROYHQW UHVivWDQW FDSDFiWRUV, FDUHiX00\ IROORZ WKH WHPSHUDWXUH DQG WiPH UHTXiUHPHQWV EDVHG RQ WKH
 VSHFiLiFDWiRQ. 1,1,1-WUiFKORURHWDQH VKRXOG QHYHU EH XVHG RQ DQ\ DOXPiQXP HOHFWURO\WiF FDSDFiWRU.
 (E3 \$iND0iQH VROYHQWV ? FRXOG UHDFW DQG GiVvROYH WKH DOXPiQXP FdVH.
 (F3 3HWUROHXP EDVHG VROYHQWV ? GHWHUiRUDWiRQ RI WKH UXEEHU VHDO FRXOG UHVX0W.
 (G3 ;\OHQH ? GHWHUiRUDWiRQ RI WKH UXEEHU VHDO FRXOG UHVX0W.
 (H3 \$FHWRRH ? UHPRYDO RI WKH iQN PDUNiQJV RQ WKH YiQ\0 VOHHYH FRXOG UHVX0W.
 (33 \$ WKRURXJK GU\iQJ DIWHU FOHDQiQJ iV UHTXiUHG WR UHPRYH UHVigXD0 FOHDQiQJ VROYHQWV WKDW PD\ EH WUDSSHG
 EHWZHHQ WKH FDSDFiWRU DQG WKH FiUFXiW ERDUG. \$YRiG GU\iQJ WHPSHUDWXUHV, ZKiFK H[FHHG WKH XSSHU FDWHJR\ \
 WHPSHUDWXUH RI WKH FDSDFiWRU.
 (43 ORQiWRU WKH FRQWDPiQDWiRQ OHYHOV RI WKH FOHDQiQJ VROYHQWV GXUiQJ XVH iQ WHUPV RI HOHFWUiFD0 FRQGXFWiYiW\,
 S+, VSHFiLiF JUDYiW\, RU ZDWHU FRQWHQW.
 &KORUiQH OHYHOV FDQ UiVH ZiWK FRQWDPiQDWiRQ DQG DGYHUVH0\ DIHFW WKH SHUIRUPDQFH RI WKH FDSDFiWRU.
 &RQWURO WKH IOX[GHQViW\ iQ WKH FOHDQiQJ DJHQW WR EH OHVV WKDQ 2 PDVV%.
 (53 DSHHQGiQJ RQ WKH FOHDQiQJ PHWKR, WKH PDUNiQJ RQ D FDSDFiWRU PD\ EH HUDVHG RU EOXUHG.
 30HDVH FRQVX0W XV i\ \RX DUH QRW FHUWDiQ DERXW DFFHSWDEOH FOHDQiQJ VROYHQWV RU FOHDQiQJ PHWKR.

2.8 ORXQWiQJ DGKHViYHV DQG FRDWiQJ DJHQW

: KHQ XViQJ PRXQWiQJ DGKHViYHV RU FRDWiQJ DJHQWV WR FRQWURO KXPiGiW\, DYRiG XViQJ PDWHUiDOV FRQWDiQiQJ
 KDORJHQDWHG VROYHQWV.
 \$0VR, DYRiG WKH XVH RI FKORUSUHQH EDVHG SRO\PHUV.
 +DUGHQ RQ GU\ DGKHViYH RU FRDWiQJ DJHQWV ZH00 OHVV WKH VROYHQW VKRXOG EH OHIW.
 \$iWHU DSS0\iQJ DGKHViYHV RU FRDWiQJ, GU\ WKRURXJK0\ WR SUHYHQW UHVigXD0 VROYHQWV IURP EHiQJ WUDSSHG EHWZHHQ
 WKH FDSDFiWRU DQG WKH FiUFXiW ERDUG.

2.9)XPiJDWiRQ

iQ H[SRUiQJ HOHFWURQiF DSS0iDQFHV ZiWK DOXPiQXP HOHFWURO\WiF FDSDFiWRUV, iQ VRPH FdVHV iXPiJDWiRQ WUHDWPHQW
 XViQJ VXFK KDORJHQ FRPSRXQG DV PHWK\0 EURPiGH iV FRQGXFWHG IRU ZRRGHQ ER[HV.
 Ii VXFK ER[HV DUH QRW GuiHG ZH00, WKH KDORJHQ OHIW iQ WKH ER[iV GiVSHUVHG ZKi0H WUDQVSRUWHG DQG HQWHUV iQ WKH
 FDSDFiWRUV iQViGH.
 7KiV SRViE0\ FDXVHV HOHFWUiFD0 FRUURViRQ RI WKH FDSDFiWRUV. 7KHUHiRUH, DIWHU SHUIRUPiQJ iXPiJDWiRQ DQG GU\iQJ
 PDNH VXUH WKDW QR KDORJHQ iV OHIW.
 DRQW SHUIRUP iXPiJDWiRQ WUHDWPHQW WR WKH ZKROH HOHFWURQiF DSS0iDQFHV SDFNHG iQ D ER[.
 /HDYH PRUH WKDQ 1/3 RI WKH VHDOiQJ SRUiRQ RSHQ, DQG GR QRW FRYHU WKDW SRUiRQ ZiWK DQ\ DGKHViYHV RU FRDWiQJ.

2.10)OX[

Ii \RX XVH D KDORJHQ W\SH (&KORUiQH W\SH, %URPiQH W\SH, HWF.3 KiJK-DfWiYiW\ IOX[, SOHDVH XVH iW DIWHU FRQiUPDWiRQ
 iQ DGYDQFH, DV iW PD\ KDYH DQ iPSDFW RQ SHUIRUPDQFH DQG UHOiDei0iW\ RI WKiV SURGXFW GXH WR WKH UHVigXH RI WKH IOX[.

3. 3UHFDXWiRQV IRU XViQJ FDSDFiWRUV

3.1 (QYiURQPHQW0 FRQGiWiRQV

&DSDFiWRUV VKRXOG QRW EH VWRUHG RU XVHG iQ WKH IROORZiQJ HQYiURQPHQWV.
 (13 ([SRVXUH WR WHPSHUDWXUHV DERYH WKH XSSHU FDWHJR\ \ RU EH0RZ WKH ORZHU FDWHJR\ \ WHPSHUDWXUH RI WKH FDSDFiWRU.
 (23 DiUHFw FRQWDFW ZiWK ZDWHU, VDOW ZDWHU, RU Ri0.
 (33 +iJK KXPiGiW\ FRQGiWiRQV ZKHUH ZDWHU FRXOG FRQGHQVH RQ WKH FDSDFiWRU.
 (43 ([SRVXUH WR WR[iF JDVHV VXFK DV K\GURJHQ VX0iGH, VX0iXiF DFiG, QiWUiF DFiG, FKORUiQH, FKORUiQH FRPSRXQG,
 EURPiQH, EURPiQH FRPSRXQG RU DPPRQiD.
 (53 ([SRVXUH WR R]RQH, UDGiDWiRQ, RU XOWUDYiROHW UD\V.
 (63 9iEUDWiRQ DQG VKRFN FRQGiWiRQV H[FHHGiQJ VSHFiLiHG UHTXiUHPHQWV.
 (YHQ ZiWkiQ WKH VSHFiLiHG UHTXiUHPHQWV, D ODUJH YiEUDWiRQ DFFHOHUDWiRQ PD\ EH DSS0iHG GXH WR UHVRQDQFH,
 VR EH VXUH WR HYDOXDWH DQG FRQiUP ZiWK WKH DFWXD0 SURGXFW.

3.2 (OHFWUiFD0 SUHFDXWiRQV

(13 \$YRiG WRXFKiQJ WKH WHUPiQDOV RI D FDSDFiWRU DV D SRViE0H HOHFWUiF VKRFN FRXOG UHVX0W. 7KH H[SRVHG
 DOXPiQXP FdVH iV QRW iQVXODWHG DQG FRXOG DOVR FDXVH HOHFWUiF VKRFN i\ WRXFKHG.
 (23 \$YRiG VKRUW FiUFXiWiQJ WKH DUHD EHWZHHQ WKH FDSDFiWRU WHUPiQDOV ZiWK FRQGXFWiYH PDWHUiDOV iQF0XGiQJ OiTXiGV
 VXFK DV DFiGV RU DONDOIQH VROXWiRQV.
 (33 \$ ORZ-PROHF0DU-ZHiJKW-VKiUR[DQH ZKiFK iV iQF0XGHG iQ D Vi0iFRQ PDWHUiDO VKD00 FDXVHV DEQRUPDO HOHFWUiFD0
 FKDUDFWHUiVWiFV.

4. (PHUJHQF\ SURFHGXUHV

(13 II WKH SUHVXUXH UHOiHI RI WKH FDSDFiWRU RSHUDWHV, iPPHGidWHO\ WXUQ RII WKH HTXiSPHQW DQG GiVFRQQHFw IURP WKH SRZHU VRXUFH.
7KiV Zi00 PiQiPi]H DQ DGGiWiRQD0 GDPDJH FDXVHG E\ WKH YDSRui]iQJ HOHFWURO\WH.
(23 \$YRiG FRQWDFW ZiWK WKH HVFDSiQJ HOHFWURO\WH JDV, ZKiFK FDQ H[FHHG 100 % WHPSHUDWXUHV.
II HOHFWURO\WH RU JDV HQWHUV WKH H\H, iPPHGidWHO\ IOXVK WKH H\H ZiWK ODUJH DPRXQWV RI ZDWHU.
II HOHFWURO\WH RU JDV iV iQJHVWHG E\ PRXWK, JDUJOH ZiWK ZDWHU.
II HOHFWURO\WH FRQWDFWV WKH VNiQ, ZDVK ZiWK VRDS DQG ZDWHU.

5. /RQJ WHUP VWRUDJH

(13 /HDNDJH FXUUHQW RI D FDSDFiWRU iQFUHDVHV ZiWK ORQJ VWRUDJH WiPHV. 7KH DOXPiQXP R[iGH i0P GHWHUiRUDWHV DV D IXQFWiRQ RI WHPSHUDWXUH DQG WiPH.
II XVHG ZiWKRiXW UHFRQGiWiRQiQJ, DQ DEQRUPD00\ KiJK FXUUHQW Zi00 EH UHTXiUHG WR UHVWRUH WKH R[iGH iOP.
7KiV VXUJH FXUUHQW FRXOG FDXVH WKH FiUFXiW RU WKH FDSDFiWRU WR iDi0.
([SiUDWiRQ GDWH iV 42 PRQWKV IURP RXWJRiQJ iQVSHFWiRQ GDWH.
+RZHYHU H[SiUDWiRQ GDWH IRU VHUihV ZKiFK DUH QRW OiVWHG EHORZ iV 12 PRQWKV IURP RXWJRiQJ iQVSHFWiRQ GDWH.

6HUiHV	([SiUDWiRQ GDWH
)&,)K, +D, 7\$, 73	42 PRQWKV IURP RXWJRiQJ iQVSHFWiRQ GDWH

)RU VWRUDJH FRQGiWiRQ, NHHS URRP WHPSHUDWXUH (5 % WR 35 %&3 DQG KXPiGiW\ (45 % WR 85 %&3 ZKHUH GiUHFw VXQVKiQH GRHVQ'W UHDFK.

ك3ق(QYiURQPHQWDO &RQGiWiRQV
DR QRW VWRUH XQGHU FRQGiWiRQ RXWViGH WKH DUHD GHVFUiEHG iQ WKH VSHFiLiFDWiRQ, DQG DOVR XQGHU FRQGiWiRQV OiVWHG EHORZ.
(D3 ([SRVXUH WR WHPSHUDWXUHV DERYH WKH XSSHU FDWHJRU\ RU EHORZ WKH ORZHU FDWHJRU\ WHPSHUDWXUH RI WKH FDSDFiWRU.
(E3 DiUHFw FRQWDFW ZiWK ZDWHU, VDOW ZDWHU, RU Ri0.
(F3 +iJK KXPiGiW\ FRQGiWiRQV ZKHUH ZDWHU FRXOG FRQGHQVH RQ WKH FDSDFiWRU.
(G3 ([SRVXUH WR WR[iF JDVHV VXFK DV K\GURJHQ VXOiGH, VXOiXUiF DFiG, QiWUiF DFiG, FKORUiQH, &KORUiQH FRPSRXQG, %URPiQH, %URPiQH FRPSRXQG RU DPPRQiD.
(H3 ([SRVXUH WR R]RQH, UDGiDWiRQ, RU XOWUDViROHW UD\V.
(I3 9iEUDWiRQ DQG VKRFN FRQGiWiRQV H[FHHGiQJ VSHFiLiHG UHTXiUHPhQWV.

6. &DSDFiWRU GiVSRVDO

:KHQ GiVSRViQJ FDSDFiWRUV, XVH RQH RI WKH iROORZiQJ PhWKRGV.
(13 iQFiQHudWH DiWHU FUXVKiQJ WKH FDSDFiWRU RU SXQFWXUiQJ WKH FDQ ZD00 (WR SUHYHQW H[SORViRQ GXH WR iQWHUQD0 SUHVXUXH UiVH3.
(23 DiVSRVH DV VROiG ZDVWH.

127(: /RFDO ODZV PD\ KDYH VSHFiLiF GiVSRVDO UHTXiUHPhQWV ZKiFK PXVW EH iROORZHG.

7KH SUHFDXWiRQV iQ XViQJ D0XPiQXP HOHFWURO\WiF FDSDFiWRUV iROORZ WKH "6DiHW\ DSSOiFDWiRQ JXiGH IRU WKH XVH iQ i[HGD0XPiQXP HOHFWURO\WiF FDSDFiWRUV IRU HOHFWURQiF HTXiSPHQW", 5&5-2367D iVVXHG E\ J (I7\$ iQ 2FWREHU 2017.
30HDVH UHiHU WR WKH DERYH DSSOiFDWiRQ JXiGH IRU GHWDiOV.