

DESCRIPTION

PRODUCT COVERED:

*USR, CNR General purpose transformers, Cat. Nos. F, FS, and MIM Series. For individual catalog numbers covered, see below.

GENERAL:

These are single phase, open core and coil insulating transformers. The F Series is single primary rated 115 V, *50/60 Hz, and the FS Series is dual primary rated 115/230 V, *50/60 Hz. The secondaries of all transformers have two identical windings with their parallel/series ratings given below:

Cat. No.		Secondary	
Single Primary (115 V)	Dual Primary (115/230 V)	V	Current, A
F10-110, MIM 321	FS10-110, MIM 320	5/10	0.22/0.11
F10-250, MIM 421	FS10-250, MIM 420	5/10	0.5/0.25
F10-600, MIM 521	FS10-600, MIM 520	5/10	1.2/0.6
F10-1200, MIM 621	FS10-1200, MIM 620	5/10	2.4/1.2
F10-2000, MIM 720	FS10-2000, MIM 721	5/10	4.0/2.0
F10-3600, MIM 820	FS10-3600, MIM 821	5/10	7.2/3.6
* F12-090, MIM 323	FS12-090, MIM 322	6.3/12.6	0.18/0.09
F12-200, MIM 423	FS12-200, MIM 422	6.3/12.6	0.4/0.2
F12-500, MIM 523	FS12-500, MIM 522	6.3/12.6	1.0/0.5
F12-1000, MIM 623	FS12-1000, MIM 622	6.3/12.6	2.0/1.0
F12-1600, MIM 722	FS12-1600, MIM 723	6.3/12.6	3.2/1.6
F12-2850, MIM 822	FS12-2850, MIM 823	6.3/12.6	5.7/2.85
F16-070, MIM 325	FS16-070, MIM 324	8/16	0.14/0.007
F16-150, MIM 425	FS16-150, MIM 424	8/16	0.3/0.15
F16-400, MIM 525	FS16-400, MIM 524	8/16	0.8/0.4
F16-800, MIM 625	FS16-800, MIM 624	8/16	1.6/0.8
F16-1250, MIM 724	FS16-1250, MIM 725	8/16	2.5/1.25
F16-2250, MIM 824	FS16-2250, MIM 825	8/16	4.5/2.25
F20-055, MIM 327	FS20-055, MIM 326	10/20	0.11/0.055
F20-120, MIM 427	FS20-120, MIM 426	10/20	0.24/0.12
F20-300, MIM 527	FS20-300, MIM 526	10/20	0.6/0.3
F20-600, MIM 627	FS20-600, MIM 626	10/20	1.2/0.6
F20-1000, MIM 726	FS20-1000, MIM 727	10/20	2.0/1.0
F20-1800, MIM 826	FS20-1800, MIM 827	10/20	3.6/1.8

Table continued

Cat. No.			
Single Primary (115 V)	Dual Primary (115/230 V)	Secondary V	Current, A
F24-045, MIM 329	FS24-045, MIM 328	12/24	0.09/0.045
F24-100, MIM 429	FS24-100, MIM 428	12/24	0.2/0.1
F24-250, MIM 529	FS24-250, MIM 528	12/24	0.5/0.25
F24-500, MIM 629	FS24-500, MIM 628	12/24	1.0/0.5
F24-800, MIM 728	FS24-800, MIM 729	12/24	1.6/0.8
F24-1500, MIM 828	FS24-1500, MIM 829	12/24	3.0/1.5
F28-040, MIM 331	FS28-040, MIM 330	14/28	0.08/0.04
F28-85, MIM 431	FS28-85, MIM 430	14/28	0.17/0.085
F28-200, MIM 531	FS28-200, MIM 530	14/28	0.4/0.2
F28-420, MIM 631	FS28-420, MIM 630	14/28	0.84/0.42
F28-700, MIM 730	FS28-700, MIM 731	14/28	1.4/0.7
F28-1300, MIM 830	FS28-1300, MIM 831	14/28	2.6/1.3
F36-030, MIM 333	FS36-030, MIM 332	18/36	0.06/0.03
F36-65, MIM 433	FS36-65, MIM 432	18/36	0.13/0.065
F36-170, MIM 533	FS36-170, MIM 532	18/36	0.34/0.17
F36-350, MIM 633	FS36-350, MIM 632	18/36	0.7/0.35
F36-550, MIM 732	FS36-550, MIM 733	18/36	1.1/0.55
F36-1000, MIM 832	FS36-1000, MIM 833	18/36	2.0/1.0
F48-023, MIM 335	FS48-023, MIM 334	24/48	0.046/0.023
F48-050, MIM 435	FS48-050, MIM 434	24/48	0.1/0.005
F48-125, MIM 535	FS48-125, MIM 534	24/48	0.25/0.125
F48-250, MIM 635	FS48-250, MIM 634	24/48	0.5/0.25
F48-400, MIM 734	FS48-400, MIM 735	24/48	0.8/0.4
F48-750, MIM 834	FS48-750, MIM 835	24/48	1.5/0.75
F56-020, MIM 337	FS56-020, MIM 336	28/56	0.04/0.02
F56-045, MIM 437	FS56-045, MIM 436	28/56	0.09/0.045
F56-110, MIM 537	FS56-110, MIM 536	28/56	0.22/0.11
F56-220, MIM 637	FS56-220, MIM 636	28/56	0.44/0.22
F56-350, MIM 736	FS56-350, MIM 737	28/56	0.7/0.35
F56-650, MIM 836	FS56-650, MIM 837	28/56	1.3/0.65
F120-010, MIM 339	FS120-01, MIM 338	60/120	0.02/0.01
F120-020, MIM 439	FS120-02, MIM 438	60/120	0.04/0.02
F120-050, MIM 539	FS120-05, MIM 538	60/120	0.1/0.05
F120-100, MIM 639	FS120-100, MIM 638	60/120	0.2/0.1
F120-160, MIM 738	FS120-160, MIM 739	60/120	0.32/0.16
F120-300, MIM 838	FS120-300, MIM 839	60/120	0.6/0.3

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in equipment where the acceptability of the combination has been determined by Underwriters Laboratories Inc.

CNR indicates investigation to Canadian Standard C22.2, No. 66-1988 "Speciality Transformers."

Conditions of Acceptability -

1. The transformer shall be housed within an enclosure of noncombustible materials in compliance with the requirements of the class of equipment in which it is used.
2. Acceptability of mounting shall be judged in the final application.
3. The acceptability of the circuit board terminal shall be determined in the end-use application.

SPACINGS:

Spacings between uninsulated live-metal parts of opposite polarity and between uninsulated live- and dead-metal parts shall not be less than shown in the following table, except these spacings do not apply to conductors comprising the turns of a coil.

<u>Potential Involved, V</u>	<u>Spacings, in.</u>	
	<u>Through Air</u>	<u>Over Surface</u>
0-50	1/16	1/16
51-125	1/8	1/4
126-250	1/4	3/8