

MIL-PRF-27F
 SUPPLEMENT 1
25 February 2001

PERFORMANCE SPECIFICATION

TRANSFORMERS AND INDUCTORS (AUDIO, POWER, AND HIGH-POWER PULSE), GENERAL SPECIFICATION FOR

This supplement forms a part of MIL-PRF-27F, dated 25 June 1999.

SPECIFICATION SHEETS

- * MIL-T-27/1 - Transformers, Audio Frequency.
- * MIL-T-27/2 - Transformers, Audio Frequency.
- * MIL-T-27/3 - Transformers, Audio Frequency.
- * MIL-T-27/4 - Transformers, Audio Frequency.
- * MIL-T-27/5 - Transformers, Audio Frequency.
- * MIL-T-27/8 - Transformers, Audio Frequency.
- * MIL-T-27/9 - Transformers, Audio Frequency.
- * MIL-T-27/11 - Transformers, Audio Frequency.
- MIL-PRF-27/18 - Transformer, Power, 5.76 VA, 60 Hz.
- * MIL-PRF-27/19 - Transformer, Power, 52 VA, 60Hz.
- * MIL-PRF-27/25 - Transformer, Power, Step-Down, 3-Phase.
- MIL-PRF-27/26 - Transformer, Power, 3.0 Volt-Amperes, 400 Hz.
- MIL-PRF-27/27 - Transformer, Power, Step-Down.
- MIL-PRF-27/29 - Transformers, Audio Frequency.
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- * MIL-PRF-27/33 - Transformer, Power, Step-Up.
- * MIL-T-27/36 - Transformer, Power, Step Down, Step-Up.
- MIL-PRF-27/37 - Transformers, Power, 1.5 Volt-Amperes, 400 Hz.
- MIL-PRF-27/38 - Transformers, Power, 1.5 Volt-Amperes, 400 Hz, Electrostatic Shielded.
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- MIL-PRF-27/41 - Transformers, Power, 6 Volt-Amperes, 400 Hz.
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- MIL-PRF-27/43 - Transformers, Power, 9 Volt-Amperes, 400 Hz.
- MIL-PRF-27/44 - Transformers, Power, 16 Volt-Amperes, 400 Hz.
- MIL-PRF-27/45 - Transformers, Power, 16 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/46 - Transformers, Power, 25 Volt-Amperes, 400 Hz.
- MIL-PRF-27/47 - Transformers, Power, 25 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/48 - Transformers, Power, 1.5 Volt-Amperes, 400 Hz.
- MIL-PRF-27/49 - Transformers, Power, 1.5 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/50 - Transformers, Power, 3 Volt-Amperes, 400 Hz.
- MIL-PRF-27/51 - Transformers, Power, 3 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/52 - Transformers, Power, 6 Volt-Amperes, 400 Hz.
- MIL-PRF-27/53 - Transformers, Power, 6 Volt-Amperes, 400 Hz, Electrostatic Shielded.

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MIL-PRF-27/54	- Transformers, Power, 9.0 Volt-Amperes, 400 Hz.
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MIL-PRF-27/56	- Transformers, Power, 25 Volt-Amperes, 400 Hz.
MIL-PRF-27/57	- Transformers, Power, 50 Volt-Amperes, 400 Hz.
MIL-PRF-27/58	- Transformers, Power, 75 Volt-Amperes, 400 Hz.
MIL-PRF-27/59	- Transformers, Power, 100 Volt-Amperes, 400 Hz.
MIL-PRF-27/60	- Transformers, Power, 250 Volt-Amperes, 400 Hz.
MIL-PRF-27/61	- Transformers, Power, 16 Volt-Amperes, 400 Hz, Electrostatic Shielded.
MIL-PRF-27/62	- Transformers, Power, 25 Volt-Amperes, 400 Hz, Electrostatic Shielded.
MIL-PRF-27/63	- Transformers, Power, 50 Volt-Amperes, 400 Hz, Electrostatic Shielded.
MIL-PRF-27/64	- Transformers, Power, 75 Volt-Amperes, 400 Hz, Electrostatic Shielded.
MIL-PRF-27/65	- Transformers, Power, 100 Volt-Amperes, 400 Hz, Electrostatic Shielded.
MIL-PRF-27/66	- Transformers, Power, 250 Volt-Amperes, 400 Hz, Electrostatic Shielded.
MIL-PRF-27/67	- Transformers, Audio Frequency.
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MIL-PRF-27/70	- Transformers, Audio Frequency.
MIL-PRF-27/71	- Transformers, Audio Frequency.
MIL-PRF-27/72	- Transformers, Audio Frequency.
* MIL-PRF-27/74	- Transformers, Audio Frequency.
MIL-PRF-27/76	- Transformers, Audio Frequency.
MIL-PRF-27/79	- Transformer, Audio Frequency.
* MIL-T-27/85	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/86	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
MIL-PRF-27/88	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/89	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
MIL-PRF-27/96	- Transformer, Audio Frequency, Subminiature.
MIL-PRF-27/97	- Transformer, Audio Frequency, Subminiature.
* MIL-T-27/99	- Transformer, Power, Step-Down.
MIL-PRF-27/103	- Transformer, Audio Frequency.
MIL-PRF-27/111	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio.
MIL-PRF-27/112	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio.
* MIL-T-27/129	- Transformer, Power, Stepdown, Step-Up.
MIL-PRF-27/134	- Transformer, Power, Step-Down.
* MIL-T-27/138	- Transformer, Power, Stepdown, 3-Phase.
* MIL-T-27/142	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Audio Frequency.
* MIL-T-27/145	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Variable, High Q.
MIL-PRF-27/146	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, High Q.
MIL-PRF-27/147	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Audio, High Q.
* MIL-T-27/148	- Transformer, Power, Step-Down.
* MIL-T-27/149	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.

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- * MIL-T-27/151 - Transformer, Power, Step-Down.
- * MIL-T-27/153 - Transformer, Power, Step-Down.
- * MIL-T-27/154 - Transformer, Power, Step-Down.
- MIL-PRF-27/155 - Transformer, Power, Step-Down.
- * MIL-T-27/156 - Transformer, Power, Step-Down.
- MIL-PRF-27/157 - Transformer, Power, Step-Down.
- * MIL-T-27/158 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Transformer, Power, Step-Down.
- * MIL-T-27/159 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
- * MIL-T-27/160 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
- * MIL-T-27/161 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Audio Frequency, High Q.
- * MIL-T-27/162 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Audio Frequency, High Q.
- * MIL-T-27/163 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Audio Frequency, High Q.
- MIL-PRF-27/164 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, High Q.
- MIL-PRF-27/165 - Transformer, Audio Frequency.
- MIL-PRF-27/166 - Transformer, Audio.
- MIL-PRF-27/167 - Transformer, Audio Frequency.
- * MIL-T-27/168 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, High Q.
- * MIL-T-27/170 - Transformer, Audio Frequency.
- * MIL-T-27/171 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
- MIL-PRF-27/172 - Transformers, Audio Frequency, Sub-Miniature.
- MIL-PRF-27/173 - Transformers, Audio Frequency, Micro-Miniature.
- * MIL-T-27/174 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
- * MIL-T-27/175 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio Frequency, High Q.
- * MIL-T-27/176 - Transformer, Audio Frequency.
- * MIL-T-27/179 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
- MIL-PRF-27/180 - Transformer, Power, Step-Down.
- * MIL-T-27/181 - Transformer, Power, Step-Down and Step-Up.
- * MIL-T-27/183 - Transformer, Power, Step-Down and Step-Up.
- * MIL-T-27/184 - Transformer, Power, Step-Down.
- * MIL-T-27/185 - Transformer (Chopper Unit).
- * MIL-T-27/187 - Transformer, Power, Step-Down, Autotransformer.
- * MIL-T-27/189 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
- * MIL-T-27/190 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
- * MIL-T-27/191 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
- * MIL-T-27/192 - Transformer, Power, Stepdown.
- * MIL-T-27/193 - Transformer, Power, Step-Down.

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- * MIL-T-27/194 - Transformer, Power, Step-Down and Step-Up.
- * MIL-T-27/195 - Transformer, Power, Step-Down.
- * MIL-T-27/197 - Transformer, Audio Frequency.
- * MIL-T-27/202 - Transformer, Power, Step-Down.
- MIL-PRF-27/205 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio Frequency, High Q.
- * MIL-T-27/207 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
- * MIL-T-27/209 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
- * MIL-T-27/214 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio Frequency.
- * MIL-T-27/223 - Transformers, Power, Step-Down.
- * MIL-T-27/227 - Transformers, Power, Step-Down.
- * MIL-T-27/235 - Transformers, Power, Isolation, Shielded.
- MIL-PRF-27/240 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio Frequency, High Q.
- MIL-PRF-27/241 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio Frequency, High Q.
- * MIL-T-27/247 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Transformer, Audio Frequency.
- * MIL-T-27/261 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power (100 VA).
- * MIL-T-27/265 - Transformer, Power, Step-Down and Step-Up.
- MIL-PRF-27/277 - Transformer, Audio Frequency, Sub-Miniature.
- MIL-PRF-27/286 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
- MIL-PRF-27/287 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
- MIL-PRF-27/288 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
- MIL-PRF-27/289 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
- MIL-PRF-27/290 - Transformer, Audio Frequency.
- * MIL-T-27/291 - Transformers, Power, Step-Down.
- * MIL-T-27/295 - Transformers, Power, Step-Down.
- MIL-PRF-27/300 - Transformers, Power, Step-Down.
- * MIL-T-27/303 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
- * MIL-T-27/306 - Transformer, Saturable.
- MIL-PRF-27/307 - Transformer, Audio Frequency.
- MIL-PRF-27/312 - Transformer, Power, 5 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/313 - Transformer, Power, 10 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/314 - Transformer, Power, 15 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/315 - Transformer, Power, 20 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/316 - Transformer, Power, 30 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/317 - Transformer, Power, 40 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/318 - Transformer, Power, 80 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/319 - Transformer, Power, 120 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/320 - Transformer, Power, 160 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/321 - Transformer, Power, 200 Volt-Amperes, 60 Hertz.

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- MIL-PRF-27/322 - Transformer, Power, 300 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/323 - Transformer, Audio Frequency, Telephone Interconnect.
- * MIL-T-27/325 - Transformer, Power.
- MIL-PRF-27/326 - Transformer, Power, 5 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/327 - Transformer, Power, 15 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/328 - Transformer, Power, 30 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/329 - Transformer, Power, 60 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/330 - Transformer, Power, 100 VA to 140 VA, 60 Hertz.
- MIL-PRF-27/331 - Transformer, Power, 160 VA to 170 VA.
- MIL-PRF-27/332 - Transformer, Power, 7 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/333 - Transformer, Power, 10 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/334 - Transformer, Power, 25 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/335 - Transformer, Power, 50 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/336 - Transformer, Power, 120 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/337 - Transformer, Power, 150 and 200 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/338 - Transformer, Power, 2 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/339 - Transformer, Power, 6 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/340 - Transformer, Power, 15 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/341 - Transformer, Power, 24 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/342 - Transformer, Power, 80 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/343 - Transformer, Power, 175 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/344 - Transformer, Power, 90 Volt-Amperes, 3-Phase.
- MIL-PRF-27/345 - Transformer, Power, 120 Volt-Amperes, 3-Phase.
- MIL-PRF-27/346 - Transformer, Power, 150 Volt-Amperes, 3-Phase.
- MIL-PRF-27/347 - Transformer, Power, 200 Volt-Amperes, 3-Phase.
- MIL-PRF-27/348 - Transformer, Power, 270 Volt-Amperes, 3-Phase.
- MIL-PRF-27/349 - Transformer, Power, 375 Volt-Amperes, 3-Phase.
- MIL-PRF-27/350 - Transformer, Power, 15 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/351 - Transformer, Power, 25 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/352 - Transformer, Power, 50 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/353 - Transformer, Power, 75 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/354 - Transformer, Power, 100 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/356 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
- MIL-PRF-27/357 - Transformer, Audio Frequency, Ultra-Miniature.
- MIL-PRF-27/358 - Transformer, Audio Frequency, Sub-Miniature.
- MIL-PRF-27/359 - Transformer, Audio Frequency, Ultra-Miniature.
- MIL-PRF-27/360 - Transformer, Power, 15 Volt-Amperes, 60 Hz.
- MIL-PRF-27/361 - Transformer, Audio Frequency.
- MIL-PRF-27/362 - Transformer, Audio Frequency.
- MIL-PRF-27/363 - Transformer, Audio Frequency.
- MIL-PRF-27/364 - Transformer, Power, 107 Volt-Amperes, 3-Phase.
- MIL-PRF-27/365 - Transformer, Audio Frequency.

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MILITARY STANDARDS

- * MS16403 - Transformer, Power, Step-Down and Step-Up.
- * MS16450 - Transformer, Power, Step-Down.
- * MS16465 - Inductor, Power.
- * MS16469 - Inductor, Power.
- * MS16471 - Transformer, Power, Step-Down.
- * MS16472 - Transformer, Power, Step-Down.
- * MS16473 - Transformer, Power, Step-Down.
- * MS16474 - Transformer, Power, Step-Down.
- * MS75001 - Inductor, Power.
- * MS75002 - Inductor, Power.
- * MS75003 - Inductor, Power.
- * MS90013 - Inductor, Power.
- * MS90027 - Transformer, Power, Step-Down and Step-Up.

* Inactive for new design

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POWER TRANSFORMERS (SINGLE PHASE)

Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)	Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)
50/60 Hz				60 Hz			
151	105/115/210/220	5	10	295	15	4,4	.035, .035
326	115	5 to 60 (P) 10 to 120 (S)	1.0 to .08 .5 to .04	300	105/115/125	2.5 to 6.3	2 to 20
327	115	"	3 to .24 1.5 to .12	36	105/115/125	6 3/5, 6.3, 400 CT	2, 3, .07
328	115	"	6 to .48 3 to .24	312	115	5 to 138 CT	1.0 to .036
329	115	"	12 to .96 6 to .48	181	115	6.3 CT, 450 CT	2, .03
330	115	"	20 to 2.32 10 to 1.16	183	115	6.3, 5.0, 670 CT	5, 2, .150
313	115	5 to 220 CT	2.0 to .045	18	115	48 CT	.12
314	115	"	3.0 to .068	19	115	52 CT	1
315	115	"	4.0 to .091	380 to 1000 Hz			
316	115	"	6.0 to .136	202	105/115	6.3 CT	5.5
317	115	"	8.0 to .182	158	105/115	6.3 CT	10
318	115	"	16.0 to .364	400 Hz			
319	115	6.3 to 220 CT	19.0 to .546	27	11.8	6, 6	.0006, .0006
157	115	7.76 to 13.44	.4, .4	33	28	140 CT	
184	115	"	.02	180	57.5, 99.7, 115	12.6, 12.6 CT	2,2
156	115	"	.105	223	107	49 CT, 5.5, 8.45	.01, 22.5, 16.4
148	115	"	1	325	115	2 to 15	.33 to 3.0
331	115	8 to 60 (P) 16 to 120 (S)	20 to 2.82 10 to 1.41	73	115	3,3	.006, .006
320	115	8 to 220 CT	20.0 to .728	350	115	5 to 115 CT	3 to .13
321	115	10 to 220 CT	20.0 to .914	351	115	5 to 115 CT	5 to .21
360	115	12.6 (series) 6.3 (parallel)	1.19 (series) 2.38 (parallel)	352	115	5 to 115 CT	10 to .43
322	115	16 to 220 CT	18.7 to 1.36	338	115	5 to 138 CT	.4 to .014
154	115	20 CT	.3				
155	115	20 CT	.6				
235	115	115	.435 to 8.7				
153	115/220	6.3 CT	2				

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POWER TRANSFORMERS (SINGLE PHASE) – CONTINUED.

Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)	Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)
400 Hz, continued				400 Hz, continued			
339	115	5 to 220 CT	1.2 to .027	129	115, 47, 26, 10	77.5 CT, 168 CT, 66 CT, 10.2, 2	.12, .029, .035, .2, .001
340	115	5 to 220 CT	3 to .068				
341	115	5 to 220 CT	4.8 to .109	134	120	28.6	.385
342	115	5 to 220 CT	16 to .364				
343	115	5 to 220 CT	35 to .79	3,000 Hz (sq. wave)			
37, 38, 48, 49	115	6 CT to 300 CT	.25 to .005	99	4.75, 7.125, 14.25	225 mV, 600 mV, 675 mV, 750 mV	.1
39, 40, 50, 51	115	6 CT to 300 CT	.5 to .01				
41, 42, 52, 53	115	6 CT to 300 CT	1 to .02	3,700 Hz (sq. wave)			
43, 54	115	6 CT to 300 CT	1.5 to .03	265	56 CT	9.6 CT, 8, 4250	.5, 2.5, .0015
44, 45, 55, 61	115	6 CT to 300 CT	2.67 to .053				
46, 47, 56, 62	115	6 CT to 300 CT	4.17 to .083	7,700 Hz (sq. wave)			
57, 63	115	6 CT to 300 CT	8.333 to .167	195	40	8.1	.04
353	115	7 CT to 115 CT	10 to .65				
354	115	10 to 115 CT	10 to .87	194	60	19.5, 14, 62.8, 37.6	.6, .3, .013, .09
332	115	10 to 120 (S) 5 to 60 (P)	.7 to .058 1.4 to .116				
333	115	10 to 120 (S) 5 to 60 (P)	1 to .083 2 to .166	10,000 Hz			
334	115	10 to 120 (S) 5 to 60 (P)	2.5 to .208 5 to .416	193	50	5, 8.06	.011, .3
335	115	10 to 120 (S) 5 to 60 (P)	4 to .41 8 to .82				
336	115	10 to 120 (S) 5 to 60 (P)	12 to 1 24 to 2	20,000 Hz (sq. wave)			
337	115	10 to 120 (S) 5 to 60 (P)	15 to 1.25 30 to 2.5	291	52	37.5 (8 sep. windings)	.001
58, 64	115	10 CT to 300 CT	7.5 to .25				
227	115	11.7 to 13.1	.05, .1				
59, 65	115	12 CT to 300 CT	8.33 to .33				
187	115	12.5	11.2				
60, 66	115	26 CT to 300 CT	9.62 to .83				
26	115	57.5	.052				
77	115	115	.45				

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POWER TRANSFORMERS (THREE PHASE)

Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)
400 Hz			
25	115	42, 42	.9, .9
364	115	22, 19, 19	1.0, .578, .144
344	115, 200	5 to 200	6 to .16
345	115, 200	5 to 200	8 to .2
346	115, 200	5 to 200	10 to .25
347	115, 200	5 to 200	13.34 to .34
348	115, 200	12 to 200	7.5 to .45
349	115, 200	12 to 200	10.42 to .63
138	226	14	40

SATURABLE TRANSFORMERS

Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)
20,000 Hz (sq. wave)			
306	36	---	1.0

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AUDIO TRANSFORMERS

Specification sheet	Power rating (milliwatt)	Frequency range (hertz)	Primary impedance (ohms)	Secondary impedance (ohms)
30	6	10 to 20 K	50 to 600	50 to 600
197	4 to 10,000	30 to 20 K	20 to 30 K	4 to 100 K
359	50 to 2,000	50 to 30 K	20 to 135 K	2 to 50,000
185 <u>1</u> /	60, 1.6	60 to 400	10 KCT, 2.5 KCT	50 K
67	500	60 to 10 K	250 CT to 10 KCT	4 to 10 KCT
79	6,000	60 to 10 K	10 KCT	600 CT
68	500	100 to 8 K	250 CT to 10 KCT	4 to 25 KCT
74	10	100 to 10 K	100 K	50 KCT
358	40 to 1,000	150 to 20 K	20 CT to 250 KCT	8 to 80,000
247	2	200 to 10 K	600 CT to 10 KCT	3.2 to 10 KCT
165	10 to 250	200 to 20 K	3.2 to 100 K	3.2 to 100 K
69	500	200 to 20 K	250 CT to 25 KCT	4 to 25 KCT
70	60 to 150	200 to 20 K 200 to 15 K (for dash no. 01)	600 CT to 100 KCT	4 to 25 KCT
1	2,000	250 to 5 K	4 K	8
2	2,000	250 to 5 K	600	8
166	3 to 250	50 to 20 K	50 to 20 K	8 to 1 M
170	1	300 to 3400	600	1200 CT
323	10	300 to 4 K	600 CT, 600 SP	600 CT, 600 SP
307	7	300 to 4 K	600	600 SP
323	5	300 to 4 K	600	600

MIL-PRF-27F
SUPPLEMENT 1

AUDIO TRANSFORMERS - CONTINUED

Specification sheet	Power rating (milliwatt)	Frequency range (hertz)	Primary impedance (ohms)	Secondary impedance (ohms)
3	15 dBm	300 to 10 K	10 KCT	22.5 KCT, 90 KCT
4	2,000	300 to 10 K	600 CT, 150 SP	16, 8, 4
5	15 dBm	300 to 10 K	600 CT, 150 SP	135 KCT
8	2,000	300 to 10 K	4800, 7600	16, 8, 4
9	2,000	300 to 10 K	15 KCT	600 CT, 150 SP
11	500	300 to 10 K	60 KCT	600 CT, 150 SP
76	25 to 100	300 to 20 K	1 KCT to 200 KCT	50 to 12 KCT
96	100	300 to 20 K	1200	3.2
290	100	300 to 20 K	1125 CT	9K, 9K
172	25 to 600	300 to 100 K	80 to 200 K	3.2 to 20 K
167	5 to 100	300 to 20 K	50 to 200 K	3.2 to 90 K
361	600	300 to 75 K	150 CT to 15 KCT	150 SP to 10 KSP 600 CT to 10 KCT
71	10 to 30	300 to 100 K	600 CT to 100 KCT	4 to 25 KCT
72	10 to 50	300 to 100 K, 300 to 40 K (for dash no. -01)	600 to 100 K	60 to 10 K
173	40 to 80	300 to 250 K	150 to 25 K	12 to 10 K
357	100 to 600	300 to 75 K	20 to 100,000	8 to 40,000
362	100 to 1000	150 to 75 K	150 CT to 100 KCT	150 SP to 10 KSP 600 CT to 10 KCT
363	100 to 2000	50 to 30 K	150 CT to 100 KCT	150 SP to 10 KSP 600 CT to 10 KCT
97	125	400 to 100 K	2000 CT	8000
103	50 TO 500	400 to 100 K	80 CT TO 12.5 KCT	32 SP to 12 KCT
277	125	400 to 100 K	150 CT	150 CT
176	750	10 K	35	143 CT
29	---	18 K	---	---

MIL-PRF-27F
SUPPLEMENT 1

AUDIO INDUCTORS

Specification sheet	Inductance range (millihenries)	DC current (amperes)	DC resistance (ohms)
214	.05 to 250		1.89 to 435
241	.6 to 40 at 1 kHz	.09 to .011	1.9 to 132
146	1 to 100 at 1 kHz	.60 to .06	1.4 to 132
240	3 to 120 at 1 kHz	.05 to .008	4.8 to 186
145	6 to 1500 at 1 kHz	.1 to .01	.5 to 141
205	7 to 35 K at 500, 1 kHz	.25 to .003	.6 to 3200
142	10 to 2000 at 1 kHz	.07 to .005	2.5 to 500
112	10 at 400 Hz	.050	.5
111	10 to 400 Hz	.050	.5
147	10 to 60 K at 400, 500 Hz	.4 to .004	.3 to 1670
161	50 to 5 K at 1 kHz	.025 to .003	27 to 2500
163	100 to 10 K at 400 Hz	.06 to .006	4.2 to 440
168	100 to 1 K at 1 kHz	.055 to .016	14 to 130
164	150 to 1400 at 1 kHz 2500 to 60 K at 400 Hz	.012 to .003 .001 to .0002	33 to 5160
175	250 to 2500 K at 60 Hz	0	5 to 13 K
162	500 to 600 K at 60 Hz	.05 to .0002	21 to 5720
145	4000 to 150 K at 60 Hz	.007 to .0015	360 to 15.6
168	2 K to 100 K at 400 Hz	.008 to .0011	130 to 8550

MIL-PRF-27F
SUPPLEMENT 1

POWER INDUCTORS

Specification sheet	Inductance range (henries)	DC current (amperes)	DC resistance (ohms)
287	8 μ H to 1.25 mH at 10 kHz	1.2 to 15	.7 to .005
288	20 μ H to 3 mH at 10 kHz	1.2 to 15	1.2 to .008
191	40 μ H to 60 μ H at 16 kHz	4.8	.03
86	50 μ H at 10 kHz	.5	.25
289	60 μ H to 10 mH at 10 kHz	1.1 to 13.6	2.1 to .014
88	72 μ H at 10 kHz	1	.3
286	30 μ H to 5 mH at 20 kHz	3.0 to .25	.14 to 5.6
190	250 μ H	.75	2
207	300 μ H to 800 μ H at 400 Hz	.4 to 2.0	1.0 to .5
85	370 μ H to 506 μ H at 10 kHz	1	.07
89	450 μ H, 450 μ H at 400 Hz	.5, .5	.2, .2
303	600 μ H at 1 kHz	2.5	2
261	1.35 mH at 800 Hz	3.85	.2
189	1.5 mH at 16 kHz	1.5	1.6
171	1.6 mH to 180 mH (series) .4 mH to 45 mH (parallel) at 60 Hz	.035 to 30	.52 to .68
356	.040 mH to 20 mH at 10 kHz	3.28 to .06	54 to .04
160	1 at 60 Hz	.2	69
179	1 at 60 Hz	.325	44
159	1.25 AT 60 Hz	.1	120
149	1.5 at 60 Hz	.045	225
209	4 at 120 Hz (parallel)	.16	160
174	5.5 to 20 at 60 Hz	.010 to .40	48 to 925
209	25 at 60 Hz	.08	645

Preparing activity:
DLA - CC

(Project number 5950-1059)