Monitor Repair tips and data from imran_usa9@hotmail.com
http://groups.yahoo.com/group/Tv_monitors_schematic_tips/

FIELD EFFECT TRANSISTOR (FET) SPECIFICATION

ItemFETTypeSpecification
1.BUZ 90N-Channel600v, 4.5A, 70W, 1.6ohm
2.BUZ 90AN-Channel600V, 4A, 70W, 2ohm
3.BUZ 91N-Channel600V, 8.5A, 150W, 0.8ohm
4.BUZ 91AN-Channel600V, 8A, 150W, 0.8ohm
5.BUZ 92N-Channel600V, 3.3A, 80W, 3ohm
6.BUZ 93N-Channel600V, 3.6A, 80W, 2.5ohm
7.BUZ 94N-Channel600V, 7.8A, 125W, 0.9ohm
8.IRF 510N-Channel100V, 5.6A, 43W, 0.54ohm
9.IRF 520N-Channel100V, 9.2A, 60W, 0.27ohm
10.IRF 530N-Channel100V, 14A, 88W, 0.16ohm
11.IRF 540N-Channel100V, 28A, 150W, 77 miliohm
12.IRF 610N-Channel200V, 3.3A, 26W, 1.5ohm
13.IRF 620N-Channel200V, 5.2A, 50W, 1.2ohm
14.IRF 630N-Channel200V, 9A, 74W, 0.4ohm

IRF 634N-Channel250V, 8.1A, 74W, 0.45ohm

IRF 640N-Channel200V, 18A, 125W, 0.18ohm

IRF 710 N-Channel400V, 2A, 36W, 3.6ohm

IRF 720N-Channel400V, 3.3A, 50W, 1.8ohm

IRF 730N-Channel400V, 5.5A, 74W, 1ohm

IRF 740N-Channel400V, 10A, 125W, 0.55ohm

IRF 820N-Channel500V, 2.5A, 50W, 3ohm

IRF 830N-Channel500V, 4.5A, 74W, 4ohm

IRF 840 N-Channel500V, 8A, 125W, 0.85ohm

IRF 841N-Channel450V, 8A, 125W, 0.85ohm

IRF 842N-Channel500V, 7A, 125W, 1.1ohm

IRF 843N-Channel450V, 7A, 125W, 1.1ohm

IRF 9610P-Channel200V, 1.8A, 20W, 3ohm

IRF 9620P-Channel200V, 3.5A, 40W, 1.5ohm

IRF 9630P-Channel200V, 6.5A, 74W, 0.8ohm

IRF 9640P-Channel200V, 11A, 125W, 0.5ohm

IRFI 510GN-Channel100V, 4.5A, 27W, 0.54ohm

IRFI 520GN-Channel100V, 7.2A, 37W, 0.27ohm

IRFI 530GN-Channel100V, 9.7A, 42W, 0.16ohm

IRFI 540GN-Channel100V, 17A, 48W, 77miliohm

IRFI 620GN-Channel200V, 4.1A, 30W, 0.8ohm

IRFI 630GN-Channel200V, 5.9A, 35W, 0.4ohm

IRFI 634GN-Channel250V, 5.6A, 35W, 0.45ohm

IRFI 640GN-Channel200V, 9.8A, 40W, 0.18ohm

IRFI 720GN-Channel400V, 2.6A, 30W, 1.8ohm

IRFI 730GN-Channel400V, 3.7A, 35W, 1ohm

IRFI 740GN-Channel400V, 5.4A, 40W, 0.55ohm

IRFI 820GN-Channel500V, 2.1A, 30W, 30ohm

IRFI 830GN-Channel500V, 3.1A, 35W, 1.5ohm

IRFI 840GN-Channel500V, 4.6A, 40W, 0.85ohm

IRFI 9620GP-Channel200V, 2A, 30W, 1.5ohm

IRFI 9630GP-Channel 200V, 4.3A, 30W, 0.8ohm

IRFI 9640GP-Channel200V, 6.1A, 40W, 0.5ohm

IRFS 520N-Channel100V, 7A, 30W, 0.27ohm

IRFS 530N-Channel100V, 9A, 35W, 0.16ohm

IRFS 540N-Channel 100V, 15A, 40W, 77miliohm

IRFS 620N-Channel200V, 4A, 30W, 0.8ohm

IRFS 630N-Channel200V, 6.1A, 35W, 0.4ohm

IRFS 640N-Channel200V, 10.2A, 40W, 0.18ohm

IRFS 634N-Channel250V, 5.5A, 35W, 0.45ohm

IRFS 720N-Channel400V, 2.5A, 30W, 1.8ohm

IRFS 730N-Channel400V, 3.5A, 35W, 1ohm

IRFS 740N-Channel400V, 3.5A, 40W, 0.55ohm

IRFS 820N-Channel500V, 2A, 30W, 3ohm

IRFS 830N-Channel500V, 3A, 35W, 1.5ohm

IRFS 840N-Channel500V, 4.5A, 40W, 0.85ohm

IRFS 9620P-Channel200V, 3A, 30W, 1.5ohm

IRFS 9630P-Channel200V, 4.4A, 35W, 0.8ohm

IRFS 9640P-Channel200V, 6.2A, 40W, 0.5ohm

MTP6N10N-Channel100V, 6A, 50W

MTP6N55N-Channel550V, 6A, 125W

MTP6N60N-Channel600V, 6A, 125W

MTP7N20N-Channel200V, 7A, 75W

MTP8N80N-Channel80V, 8A, 75W

MTP8N10N-Channel100V, 8A, 75W

MTP8N12N-Channel120V, 8A, 75W

MTP8N13N-Channel130V, 8A, 75W

MTP8N14N-Channel140V, 8A, 75W

MTP8N15N-Channel150V, 8A, 75W

MTP8N18N-Channel180V, 8A, 75W

MTP8N19N-Channel190V, 8A, 75W

MTP8N20N-Channel200V, 8A, 75W

MTP8N45N-Channel450V, 8A, 125W

MTP8N46N-Channel460V, 8A, 125W

MTP8N47N-Channel470V, 8A, 125W

MTP8N48N-Channel480V, 8A, 125W

MTP8N49N-Channel490V, 8A, 125W

MTP8N50N-Channel500V, 8A, 125W

2SJ306P-Channel250V, 3A, 25W, 2ohm

2SJ307P-Channel250V, 6A, 30W, 3ohm

2SJ308P-Channel250V, 9A, 40W, 0.48ohm

2SK525N-Channel150V, 10A, 40W, 0.28ohm

2SK526N-Channel250V, 10A, 40W, 0.6ohm

2SK527N-Channel60V, 10A, 40W, 0.14ohm

2SK555N-Channel500V, 7A, 60W, 0.85ohm

2SK556N-Channel450V, 12A, 100W, 0.55ohm

2SK557N-Channel500V, 12A, 100W, 0.55ohm

2SK727N-Channel850V, 5A, 125W

2SK791N-Channel850V, 3A, 100W, 4.5ohm

2SK792N-Channel900V, 3A, 100W, 4.5ohm

2Sk793N-Channel850V, 5A, 150W, 2.5ohm

2SK794N-Channel900V, 5A, 150W, 2.5ohm

2SK1038N-Channel400V, 5A, 50W

2SK1117N-Channel600V, 6A, 100W

2SK1118N-Channel600V, 6A, 45W

2SK1507N-Channel600V, 9A, 50W, 1ohm

2SK1531N-Channel500V, 15A, 150W, 0.45ohm

2SK1794N-Channel900V, 6A, 100W, 2.8ohm

2SK2038N-Channel800V, 5A, 125W, 2.2ohm

2SK2039N-Channel900V, 5A, 150W, 2.5ohm

2SK2134N-Channel200V, 13A, 70W, 0.4ohm

2SK2136N-Channel200V, 20A, 75W, 0.18ohm

2SK2141N-Channel600V, 6A, 35W, 1.1ohm

2SK2161N-Channel200V, 9A, 25W, 0.35ohm

Monitor Repair tips and data from imran_usa9@hotmail.com

FIELD EFFECT TRANSISTOR (FET) SPECIFICATION

ItemFETTypeSpecification
1.BUZ 90N-Channel600v, 4.5A, 70W, 1.6ohm
2.BUZ 90AN-Channel600V, 4A, 70W, 2ohm
3.BUZ 91N-Channel600V, 8.5A, 150W, 0.8ohm
4.BUZ 91AN-Channel600V, 8A, 150W, 0.8ohm
5.BUZ 92N-Channel600V, 3.3A, 80W, 3ohm
6.BUZ 93N-Channel600V, 3.6A, 80W, 2.5ohm
7.BUZ 94N-Channel600V, 7.8A, 125W, 0.9ohm
8.IRF 510N-Channel100V, 5.6A, 43W, 0.54ohm
9.IRF 520N-Channel100V, 9.2A, 60W, 0.27ohm
10.IRF 530N-Channel100V, 14A, 88W, 0.16ohm
11.IRF 540N-Channel100V, 28A, 150W, 77 miliohm
12.IRF 610N-Channel200V, 3.3A, 26W, 1.5ohm
13.IRF 620N-Channel200V, 5.2A, 50W, 1.2ohm
14.IRF 630N-Channel200V, 9A, 74W, 0.4ohm

IRF 634N-Channel250V, 8.1A, 74W, 0.45ohm

IRF 640N-Channel200V, 18A, 125W, 0.18ohm

IRF 710 N-Channel400V, 2A, 36W, 3.6ohm

IRF 720N-Channel400V, 3.3A, 50W, 1.8ohm

IRF 730N-Channel400V, 5.5A, 74W, 1ohm

IRF 740N-Channel400V, 10A, 125W, 0.55ohm

IRF 820N-Channel500V, 2.5A, 50W, 3ohm

IRF 830N-Channel500V, 4.5A, 74W, 4ohm

IRF 840 N-Channel500V, 8A, 125W, 0.85ohm

IRF 841N-Channel450V, 8A, 125W, 0.85ohm

IRF 842N-Channel500V, 7A, 125W, 1.1ohm

IRF 843N-Channel450V, 7A, 125W, 1.1ohm

IRF 9610P-Channel200V, 1.8A, 20W, 3ohm

IRF 9620P-Channel200V, 3.5A, 40W, 1.5ohm

IRF 9630P-Channel200V, 6.5A, 74W, 0.8ohm

IRF 9640P-Channel200V, 11A, 125W, 0.5ohm

IRFI 510GN-Channel100V, 4.5A, 27W, 0.54ohm

IRFI 520GN-Channel100V, 7.2A, 37W, 0.27ohm

IRFI 530GN-Channel100V, 9.7A, 42W, 0.16ohm

IRFI 540GN-Channel100V, 17A, 48W, 77miliohm

IRFI 620GN-Channel200V, 4.1A, 30W, 0.8ohm

IRFI 630GN-Channel200V, 5.9A, 35W, 0.4ohm

IRFI 634GN-Channel250V, 5.6A, 35W, 0.45ohm

IRFI 640GN-Channel200V, 9.8A, 40W, 0.18ohm

IRFI 720GN-Channel400V, 2.6A, 30W, 1.8ohm

IRFI 730GN-Channel400V, 3.7A, 35W, 1ohm

IRFI 740GN-Channel400V, 5.4A, 40W, 0.55ohm

IRFI 820GN-Channel500V, 2.1A, 30W, 30ohm

IRFI 830GN-Channel500V, 3.1A, 35W, 1.5ohm

IRFI 840GN-Channel500V, 4.6A, 40W, 0.85ohm

IRFI 9620GP-Channel200V, 2A, 30W, 1.5ohm

IRFI 9630GP-Channel 200V, 4.3A, 30W, 0.8ohm

IRFI 9640GP-Channel200V, 6.1A, 40W, 0.5ohm

IRFS 520N-Channel100V, 7A, 30W, 0.27ohm

IRFS 530N-Channel100V, 9A, 35W, 0.16ohm

IRFS 540N-Channel 100V, 15A, 40W, 77miliohm

IRFS 620N-Channel200V, 4A, 30W, 0.8ohm

IRFS 630N-Channel200V, 6.1A, 35W, 0.4ohm

IRFS 640N-Channel200V, 10.2A, 40W, 0.18ohm

IRFS 634N-Channel250V, 5.5A, 35W, 0.45ohm

IRFS 720N-Channel400V, 2.5A, 30W, 1.8ohm

IRFS 730N-Channel400V, 3.5A, 35W, 1ohm

IRFS 740N-Channel400V, 3.5A, 40W, 0.55ohm

IRFS 820N-Channel500V, 2A, 30W, 3ohm

IRFS 830N-Channel500V, 3A, 35W, 1.5ohm

IRFS 840N-Channel500V, 4.5A, 40W, 0.85ohm

IRFS 9620P-Channel200V, 3A, 30W, 1.5ohm

IRFS 9630P-Channel200V, 4.4A, 35W, 0.8ohm

IRFS 9640P-Channel200V, 6.2A, 40W, 0.5ohm

MTP6N10N-Channel100V, 6A, 50W

MTP6N55N-Channel550V, 6A, 125W

MTP6N60N-Channel600V, 6A, 125W

MTP7N20N-Channel200V, 7A, 75W

MTP8N80N-Channel80V, 8A, 75W

MTP8N10N-Channel100V, 8A, 75W

MTP8N12N-Channel120V, 8A, 75W

MTP8N13N-Channel130V, 8A, 75W

MTP8N14N-Channel140V, 8A, 75W

MTP8N15N-Channel150V, 8A, 75W

MTP8N18N-Channel180V, 8A, 75W

MTP8N19N-Channel190V, 8A, 75W

MTP8N20N-Channel200V, 8A, 75W

MTP8N45N-Channel450V, 8A, 125W

MTP8N46N-Channel460V, 8A, 125W

MTP8N47N-Channel470V, 8A, 125W

MTP8N48N-Channel480V, 8A, 125W

MTP8N49N-Channel490V, 8A, 125W

MTP8N50N-Channel500V, 8A, 125W

2SJ306P-Channel250V, 3A, 25W, 2ohm

2SJ307P-Channel250V, 6A, 30W, 3ohm

2SJ308P-Channel250V, 9A, 40W, 0.48ohm

2SK525N-Channel150V, 10A, 40W, 0.28ohm

2SK526N-Channel250V, 10A, 40W, 0.6ohm

2SK527N-Channel60V, 10A, 40W, 0.14ohm

2SK555N-Channel500V, 7A, 60W, 0.85ohm

2SK556N-Channel450V, 12A, 100W, 0.55ohm

2SK557N-Channel500V, 12A, 100W, 0.55ohm

2SK727N-Channel850V, 5A, 125W

2SK791N-Channel850V, 3A, 100W, 4.5ohm

2SK792N-Channel900V, 3A, 100W, 4.5ohm

2Sk793N-Channel850V, 5A, 150W, 2.5ohm

2SK794N-Channel900V, 5A, 150W, 2.5ohm

2SK1038N-Channel400V, 5A, 50W

2SK1117N-Channel600V, 6A, 100W

2SK1118N-Channel600V, 6A, 45W

2SK1507N-Channel600V, 9A, 50W, 1ohm

2SK1531N-Channel500V, 15A, 150W, 0.45ohm

2SK1794N-Channel900V, 6A, 100W, 2.8ohm

2SK2038N-Channel800V, 5A, 125W, 2.2ohm

2SK2039N-Channel900V, 5A, 150W, 2.5ohm

2SK2134N-Channel200V, 13A, 70W, 0.4ohm

2SK2136N-Channel200V, 20A, 75W, 0.18ohm

2SK2141N-Channel600V, 6A, 35W, 1.1ohm

2SK2161N-Channel200V, 9A, 25W, 0.35ohm

Imran_usa9@hotmail.com
http://groups.yahoo.com/group/Tvmonitors/

UNIVERSAL IC REPLACEMENT GUIDE FOR MONITOR

1CVA2419 CVA2415
2CVA2419 CVA2415
3LA7851 HV5055, GL1151, KA2138
44. LM1203N DBL2056, KA2139, MTV005, TFKU2203
5LM1205N LM1207N
6LM2406LM2405
7LM2407LM2409
8LM2416CVA2419
9LM2427TLH2426, CR5227
10STV7778 TDA9103, KB2147
11STV7779TDA9109 (Note: TDA9109 is not equivalent to TDA9109/S)
12TDA1175N TDA1170N
13TDA1675A, VA2801TDA1670
14TDA4858 TDA4855
15TDA8172 TDA9302H
16UC3842KA3842, SG3842, IPC3842, HA17384
17WT8031N201 EMC3000

IMPORTANT NOTE:
The Arrow (,) is to indicate that certain IC can be used as either single or reverse substitution.

Example 1
Item no 12 : TDA1175N can be used to substitute TDA1170N, (Single Substitute) : TDA1170N cannot be used to substitute TDA1175N.

Example 2
Item no 1 : CVA2419 can be used to substitute CVA2415, (Reverse Substitute): CVA2415 which can be used to substitute CVA2419

Capacitor Code Guide

VALUE	TYPE	CODE	VALUE	TYPE	CODE
1.5pF	Ceramic		1,000pF / .001uF	Ceramic / Mylar	102
3.3pF	Ceramic		1,500pF / .0015uF	Ceramic / Mylar	152

10pF	Ceramic		2,000pF / .002uF	Ceramic / Mylar	202
15pF	Ceramic		2,200pF / .0022uF	Ceramic / Mylar	222
20pF	Ceramic		4,700pF / .0047uF	Ceramic / Mylar	472
30pF	Ceramic		5,000pF / .005uF	Ceramic / Mylar	502
33pF	Ceramic		5,600pF / .0056uF	Ceramic / Mylar	562
47pF	Ceramic		6,800pF / .0068uF	Ceramic / Mylar	682
56pF	Ceramic		.01	Ceramic / Mylar	103
68pF	Ceramic		.015	Mylar	
75pF	Ceramic		.02	Mylar	203
82pF	Ceramic		.022	Mylar	223
91pF	Ceramic		.033	Mylar	333
100pF	Ceramic	101	.047	Mylar	473
120pF	Ceramic	121	.05	Mylar	503
130pF	Ceramic	131	.056	Mylar	563
150pF	Ceramic	151	.068	Mylar	683
180pF	Ceramic	181	.1	Mylar	104
220pF	Ceramic	221	.2	Mylar	204
330pF	Ceramic	331	.22	Mylar	224
470pF	Ceramic	471	.33	Mylar	334
560pF	Ceramic	561	.47	Mylar	474
680pF	Ceramic	681	.56	Mylar	564
750pF	Ceramic	751	1	Mylar	105
820pF	Ceramic	821	2	Mylar	205

Usually the first two digits of the code represent part of the value;
the third digit corresponds to the number of zeros to be added to the first two digits.
This is the value in pf.