Specifications: DSIM-A
Augat® ACI SDA and ALX Amplifiers

			Digital Station Intelligence Manager (DSIM-A)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
Nominal Insertion loss	Loss @ 1002 MHz	dB	6.25	At room temp.
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	86.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	4.4 X 1.18 X 0.79 (112 x 30 x 20)	

Specifications: DSIM-GI
Motorola® GI, BT, MB and BLE (Post 750 D/H with 6 pins) Amplifiers

			Digital Station Intelligence Manager (DSIM-GI)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	71.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	4.6 X 1.07 X 0.69 (116 x 27.2 x 17.5)	

Specifications: DSIM-JD
Jerrold® JLX Line Extenders and MB's (750 D/H with 5 pins) Amplifiers

Digital Station Intelligence Manager (DSIM-JD)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	72.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	4.6 X 1.07 X 0.69 (116 x 27.2 x 17.5)	

Specifications: DSIM-MV
Magnavox® GNA, TNA, Diamond Type 1, 2 and 3 Amplifiers

			Digital Station Intelligence Manager (DSIM-MV)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
Nominal Insertion loss	@ 750 / 870 /1002 MHz	dB	1.0 / 1.1 / 1.2	At room temp.
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	72.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	2.0 X 2.9 X 0.53 (50.8 x 73.7 x 13.5)	

Specifications: DSIM-SG
Cisco®/Scientific Atlanta GainMaker® Amplifiers

			Digital Station Intelligence Manager (DSIM-SG)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	10 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	15	Typical
Input Voltage range	DC	Volt	14 (Min.), 16 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	110.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	2.0 X 1.0 X 0.94 (50.8 x 25.4 x 23.9)	

Specifications: DSIM-SS 01 & 02
Cisco®/Scientific Atlanta System® Amplifiers

			Digital Station Intelligence Manager (DSIM-SS)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+4 dB @ 750 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
Variable Equalizer		dB	0 -20	Optional (-02 Version)
Nominal Insertion loss	Loss @ 750 MHz	dB	7.0	At room temp.
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	55.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	5.4 X 0.55 X 1.33 (137.2 x 14.0 x 33.8)	

Specifications: DSIM-SS 04
Cisco®/Scientific Atlanta System® Amplifier III LE with 12 VDC Power Supply

			Digital Station Intelligence Manager (DSIM-SS)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+4 dB @ 750 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
Variable Equalizer		dB	0 -20	)
Nominal Insertion loss	Loss @ 750 MHz	dB	8.0	At room temp.
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	12	Typical
Input Voltage range	DC	Volt	10 (Min.), 14 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	65.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	5.4 X 0.55 X 1.33 (137.2 x 14.0 x 33.8)	

Specifications: DSIM-AF
Antec® FTMB-75 Series amplifiers

Digital Station Intelligence Manager (DSIM-AF)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	10 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	22 (Min.), 26 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	43.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	0.75 X 2.28 X 2.56 (19.1 x 57.9 x 65.0)	

Specifications: DSIM-CJ
Arris® FlexMax 601e Trunk and Bridger Amplifiers

			Digital Station Intelligence Manager (DSIM-CJ)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	9 (Max.)	
Gain Control Accuracy		dB	± 0.5	
Nominal Insertion loss	@ 750 / 870 /1002 MHz	dB	1.0 / 1.1 / 1.2	At room temp.
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	18 (Min.), 28 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	65.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	2.0 X 2.9 X 0.53 (50.8 x 73.7 x 13.5)	

Specifications: DSIM-CG
Philips®/C-Cor® 6-LE97/98 LE or Spectrum 2000 Line Extender Amplifiers

			Digital Station Intelligence Manager (DSIM-CG)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	11 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	22 (Min.), 26 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	47.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	1.3 X 1.45 X 4.25 (76.2 x 36.6 x 108.0)	

Specifications: DSIM-CC
KIT 01: C-Cor® Flexnet E7 series LE Line Extender & MB-750D-H/40 750MHz Mini-Bridger Amplifiers
KIT 02: C-Cor® FlexMax 331e LE Line Extender

Digital Station Intelligence Manager (DSIM-CC)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	10 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	22 (Min.), 26 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	43.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	0.90 X 1.14 X 2.10 (22.9 x 29.0 x 53.3)	

Specifications: DSIM-CF

KIT 01: C-Cor® Flexnet FNT & FNB 700/800 Amplifiers
KIT 02: C-Cor® Flexnet FNT & FNB 900 PN: FNB9ADJ-LD6GA1& PN: FNT95DJ-KB6K1A1
KIT 03: C-Cor® Navicor NL Series
KIT 04: C-Cor® Flexnet FNB 900 PN: FNB9ADJT-KB6N6A1& PN: FNB96CL-KB6G6A1
KIT 05: C-Cor® Flexnet FNT 900 PN: FNT95DJT-KB6P6A1
KIT 06: C-Cor® Flex Max 901e Trunk / Bridger

			Digital Station Intelligence Manager (DSIM-CF)	
PARAMETERS	CONDITIONS	UNITS	SPECIFICATION	NOTES
RF Specifications				
AGC mode operation				
Control type	Single pilot channel		Auto Gain Control	
Pilot channel frequency	NTSC channels		Fully Agile selection (Default at MGC mode)	Set by controller
Channel frequency bandwidth		MHz	6	
Pilot modulation type			QAM, NTSC analog or CW	Set by controller
Gain control Range	System compensation input change -6/+3 dB @ 1002 MHz	dB	10 (Max.)	
Gain Control Accuracy		dB	± 0.5	
TGC mode operation				
Cable dB length Options	Embedded function	dB	9, 18 or 27 dB	
General Specifications				
Operating Power Supply				
Input Voltage	DC	Volt	24	Typical
Input Voltage range	DC	Volt	22 (Min.), 26 (Max.)	
Power Consumption		Watt.	3.0 (Max.)	
Current Draw		mA	43.0 (Max)	
Environmental and Mechanical				
Operating Temperature		°F (°C)	-40 to +140 (-40 to +60)	
Storage Temp.		°F (°C)	-40 to +185 (-40 to +85)	
Relative Humidity		RH	95%	No condensation
Dimension	(W x D x H)	In, (mm)	1.0 X 0.97 X 2.35 (25.4 x 24.6 x 59.7)	