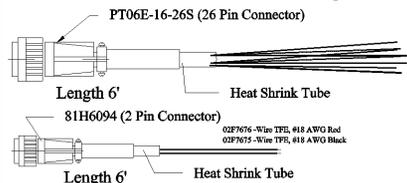


**WARNING.** This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.



*WITHOUT INCLUSION OF ACSP OPTION, THIS UNIT MAY NOT BE POWERED BY A GENERATOR.*

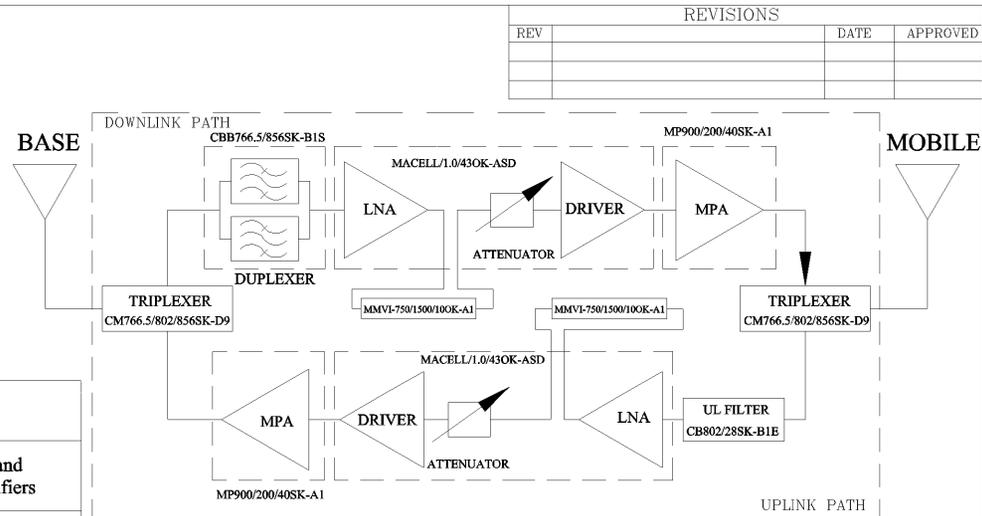
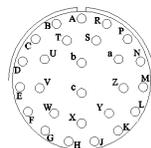
**SKU # 11303835**

DC Current Draw @ +24VDC: 2.12A

INCLUDED OPTIONS	Description
ODSC	Oscillation Detect, Display and Auto Shutdown of all Amplifiers
O26	Standard NFPA Compliant Local Alarming via 26-Pin Connector
GUI	Remote Monitoring And Gain Control Via RJ45
RED	RED Enclosure
S1	External +24 to +26.5 VDC Back Up
6'	All Pigtails Extended to 6'
D	Cannon type AC Connector (No AC/DC Protections)
ACSP	AC Surge protection and DC Line conditioning
VA	Local Visual Alarms

PIN #	DESCRIPTION
A	1-NO DL/UL Current Alarm
B	1-COM DL/UL Current Alarm
C	
D	2-NO Donor Antenna Alarm
E	2-COM Donor Antenna Alarm
F	
G	3-NO DC Backup Alarm
H	3-COM DC Backup Alarm
J	
K	4-NO ODSC Alarm
L	4-COM ODSC Alarm
M	
N	GND
P	GND
R	+12 VDC 200mA
S	+12 VDC 200mA (STNB)

PIN OUT NFPA O26



## Electrical Specifications

- \*Down-Link (Base to Mobile) Frequency Range [MHz] : 758 - 775 / 851 - 861
- \*Up-Link (Mobile to Base) Frequency Range [MHz] : 788 - 816
- \*Gain (Minimum attenuation) [dB] : 80 (Min.), 85 (Typ.)
- \*Gain Flatness [dB] : +/- 1.5 (Typ.)
- \*Attenuation Downlink @ 862 MHz [dBc] : 30 (Typ.)
- \*Noise Figure (System) [dB] : 5.5 (Max.), 5.0 (Typ.)
- \*Attenuation Range [dB] : 0 - 30 in 1-dB steps
- \*Output Power ALC Set [dBm]
  - Uplink : +27 ± 1
  - Downlink : +30 ± 1
  - Uplink : +27 (Typ.)
  - Downlink : +30 (Typ.)
  - Uplink : +48 (Typ.)
- \*Output Composite Power [dBm]
  - Uplink : +27 (Typ.)
  - Downlink : +30 (Typ.)
  - Uplink : +48 (Typ.)
- \*3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each
- \*3rd Order Output Intercept Point [dBm] @ 2 tones + 27 dBm each
  - Downlink : +50 (Typ.)
- \*Power Supply : 110V/0.58A to 220V/0.29A (Autoranging) 50 to 60 Hz
- \*Propagation Delay [uSec] : < 0.3
- \*Input/Output Impedance : 50 ohm
- \*VSWR IN/OUT : < 1.5:1
- \*Net Weight (Estimated) : < 22.5 kg/49.6 lb
- \*PAINT: FLAT EPOXY RED

## NEMA 4 ENCLOSURE

DIMENSIONS ARE IN INCHES TOLERANCES ARE		CONTRACT NO:		OPERATING TEMPERATURE RANGE: -30°C TO +55°C	
ANGLES ± 1"	DECIMALS X ± .05 XX ± .01 XXX ± .003	APPROVALS	DATE	<b>G-Way Solutions, LLC</b>	
TREATMENT		DRAWN David	10/19	TITLE NFPA Compliant 700/800 MHz BDA BDA-PS7W/PS8NEPS/N-27/30-80-N	
FINISH 63		CHECKED		SIZE A	CAGE CODE DWG NO:
MATERIAL		DESIGN ACTIVITY		BDA-PS7W/PS8NEPS/N-27/30-80-N	
				SCALE None	SHEET 1 OF 1

FCC ID: Q8KPS7W83790N

REVISIONS			
REV	DATE	APPROVED	