



Amplifier

CATV Drop

XDA Series

General Features

1. SCTE compliant mechanical and electrical performance
 - ensures consistent integration and performance
2. Cast aluminum powder coated housing
 - tested to withstand all seasonal elements (2000 hours salt fog)
3. Pressure sealed and waterproof F-ports
 - prevent moisture migration and condensation over temperature and climate change
3. Premium performance normalized sub-components
 - offer very high resistance to spurious signals and second harmonics (greater than -45dB)
4. Surge resistant up to 6kV
 - per IEEE C62.41-1991 * category B3 (combo wave 6000V, 3kA)
5. Beryllium copper 360 degree seizure
 - provides repeated superior connections (tested to SCTE requirements for outdoor products)
6. 100 dB RFI shielding
 - guarantees signals free from outside interference and localized noise
7. UL approved power adaptor
 - recognized as a safer design from quality materials and procedures
8. 5 year warranty
 - confidence for the future.....



Performance Specifications

Common Specifications

General		Forward Band		Reverse Band	
Impedance	75 Ohm	Frequency	54-1000 MHz	Frequency	5-42 MHz
Environment	100% Humidity	Flatness	+/- 0.5 dB	Flatness	+/- 0.5 dB
Temperature	-40/+60C (+/- 0.5dB)	Output Rating	25dBmv @ 110 ch	Group Delay	<20ns (+/- 10ns)
Return Loss	18 dB	Hum	<-75dBc		
Noise Figure	3.5 dB	X Mod	<-75dBc		
Surge Resistance	6kV @ 3kA (B3)	CSO	<-62dBc		
		CTB	<-75dBc		
		Group Delay	<20ns@50-100 MHz <5ns@101-1000 MHz		

Model Variations	DA15-1P	DA15-2P	DA15-4P	DA15-1A	DA10-1P	DA20-1P	XDA15-1PM
Forward Gain Per Port	15 dB (+/- 1.0 dB)	11 dB (+/- 1.0 dB)	8 dB (+/- 1.0 dB)	15 dB (+/- 1.0 dB)	10 dB (+/- 1.0 dB)	20 dB (+/- 1.0 dB)	15 dB (+/- 1.0 dB)
Reverse Insertion Loss 1	-1 dB (+/- 0.5 dB)	-4 dB (+/- 0.5 dB)	-7 dB (+/- 0.5 dB)	+10 dB (+/- 1.0 dB)	-1 dB (+/- 0.5 dB)	-1 dB (+/- 0.5 dB)	-1 dB (+/- 0.5 dB)
Port Isolation 15-42 MHz	N/A	30dB	30dB	N/A	N/A	N/A	N/A
5-14MHz & 54-1000 MHz	N/A	20dB	25dB	N/A	N/A	N/A	N/A