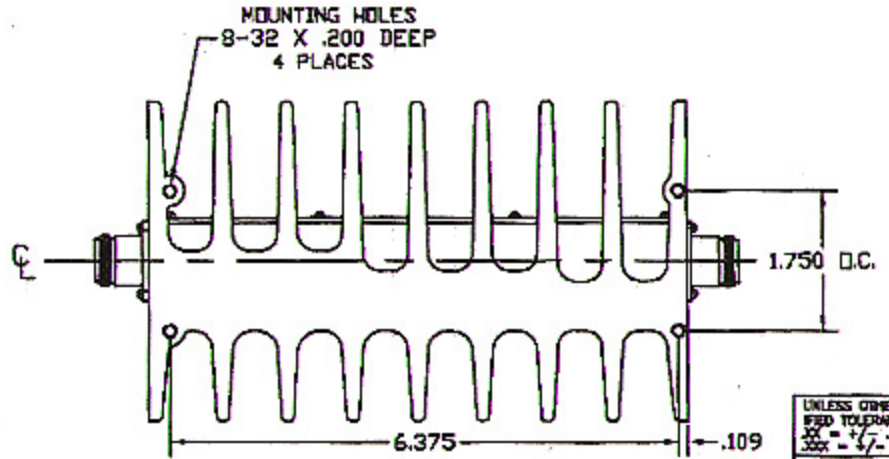


XX = dB VALUE

dB VALUE	ACCURACY ±dB	
	DC - 1GHz	1 - 3GHz
1	0.3	0.5
2	0.3	0.5
3	0.3	0.5
6	0.4	0.6
10	0.4	0.8
20	0.5	1.0
30	0.8	1.3



UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:
XX = $\pm .015$
XXX = $\pm .005$

SCALE
DIM. ARE IN INCHES
APPROVED BY
DATE 6-14-01

SPECIFICATIONS:

IMPEDANCE: 50 OHMS NOMINAL
 POWER RATING: 150 WATTS AVERAGE AT +40°C AMBIENT
 FREQUENCY RANGE: DC TO 3 GHz
 VSWR: DC TO 1 GHz AT 1.10:1 MAX.
 1 GHz TO 3 GHz AT 1.30:1 MAX.
 OPERATING TEMPERATURE RANGE: -40°C TO +40°C
 OPERATING POSITION: VERTICAL
 COOLING FIN: ALUMINUM, BLACK ANODIZED FINISH
 HEAT SPREADER: ALUMINUM, TRI-ALLOY PLATED
 CONNECTORS: N-TYPE FEMALE, TRI-ALLOY PLATED
 NOMINAL SIZE: 8.30"L X 5.00"H X 4.00"W
 WEIGHT: APPROX. 5.5 LBS.

HD Communications Corp			
DESCRIPTION 150 WATT CONVECTION COOLED ATTENUATOR, N-TYPE FEMALE/FEMALE			
CHG. BY CGE	DATE 6-14-01	PART NUMBER HDC-016-E-FFN-XX	REV.