Attachment A

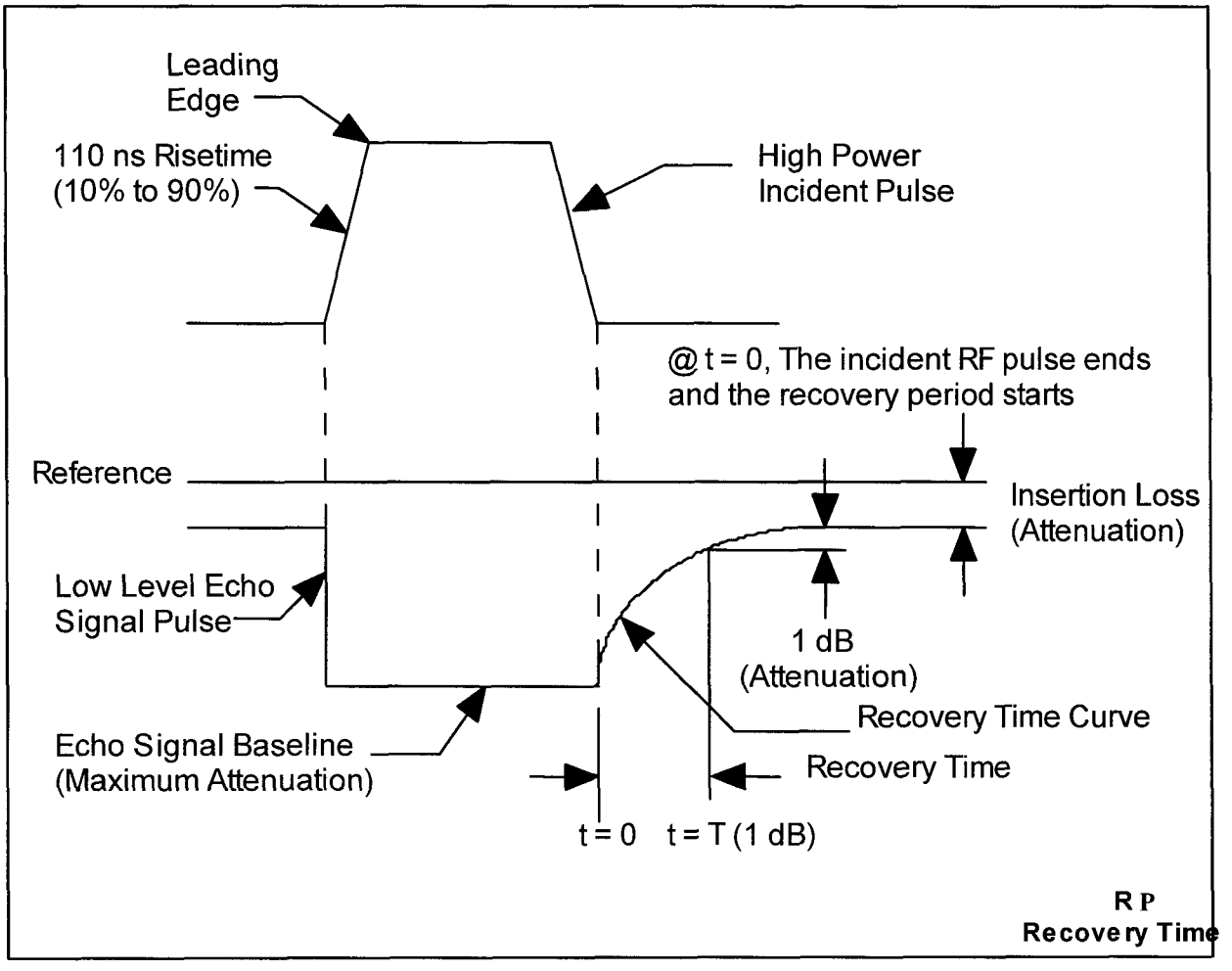

Figure 1: Recovery Time Measurement

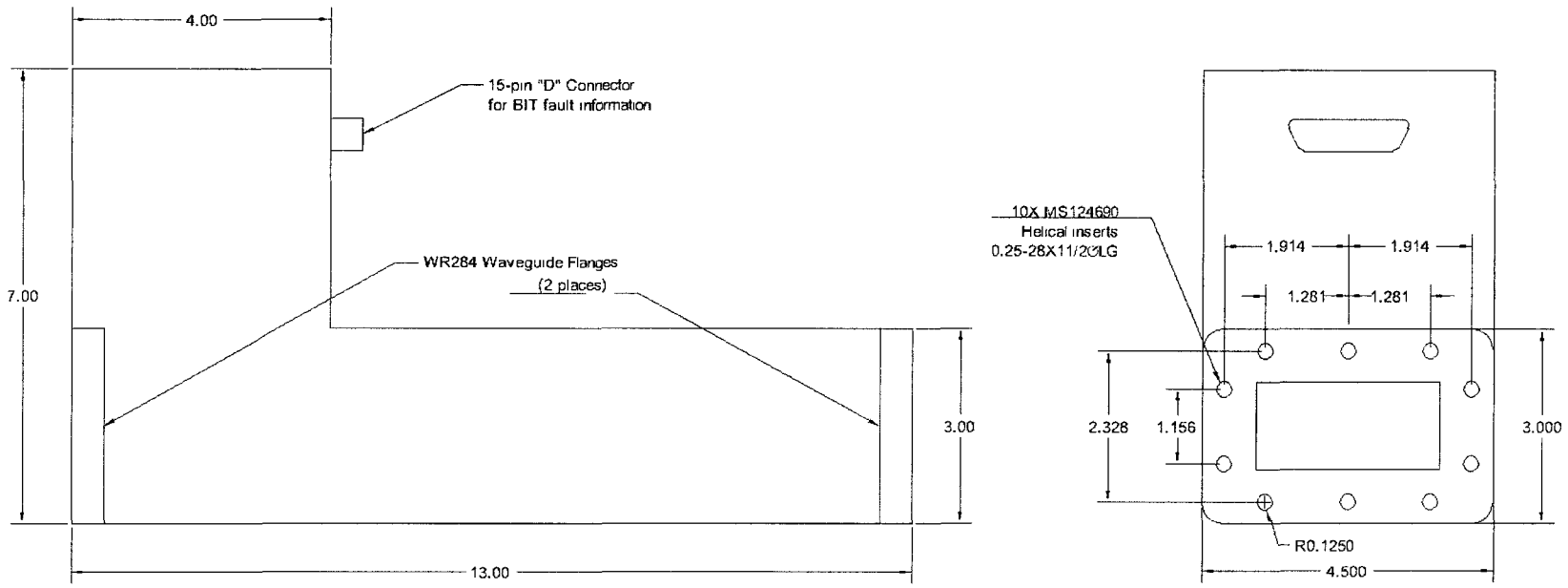

Figure 2: ASR-9 TR Limiter Outline Drawing

(all units are in inches, legacy "D" connector is not required)

TABLE 1
PERFORMANCE PARAMETERS

S-Band TR Limiter

	PARAMETER	MIN	MAX	UNITS
1.	Frequency	2.7	2.9	Ghz
2.	Peak Power, Fault Condition	--	1300	kW
3.	Peak Power, Normal Condition	--	100	kW
4.	Duty Cycle	--	0.01	(MAX)
5.	Pulse Width	--	10	uSEC
6.	Spike Leakage Power	--	500	Watt peak
7.	Flat Leakage	--	160	Watts peak
8.	Leakage Power	--	250	mill watts
9.	Recovery Time at 1.0 dB of Insertion	--	1.5	uSEC
10.	Insertion Loss equal to or less than	--	0.4	dB
11.	Isolation Loss equal to or less than	--	1.0	dB
12.	VSWR equal to or less than	--	1.3	
13.	Transmission Line	WR284		
14.	Length	Not to Exceed 13 inches		
15.	Design Life			
	14a) Storage Life	10		years
	14b) Operating Life	80,000		hours min.
16.	Operating Temperature	-10	+50	°C
17.	Humidity	5%	90%	
18.	Altitude		10,000	Feet
19.	EMI RF Leakage	65	--	dBc
	Susceptibility	65	--	dB
20.	Second Harmonic (0 dBm input)	-	-60	dBc
21.	Firing Threshold		80	Watts peak