

PARTSLIST 75dB step attenuator. Copyright pa0nhc 20180828. PCB V20180828-5.

Resistors : metal film, 0.25W, axial 6.5 mm.

	Value [Ohm] (r=dec.point)		
R1,2	866		
R3	5r9		
R4,5	221		
R6	23r7		
R7,8	95r3		
R9	71r5		
R10,11,12,13	107		
R14	768		
R15	806		
R16,17	61r9		
R18	248		
R19,20	115		
R21	51r1		
R22	54r9		
R23,24	442		
R25,26	23r2		
		Type	Conrad OrderNr
7x	Toggle switch		1589427
1x	Die cast ALU box	Hammond 1590S	532554 536858
M3 distance bolt	2x (two M3 holes) 2x (one M3 hole + one M3 thread end)	10mm long	526517 526630
4x	M3 screw	5mm long	
2x	BNC chassis bus (Only the short type will fit).	15.9mm long	740764

According to **IARU** :

Short Wave : S9 = 50 uV (-73dBm),

1 s-point = 6 dB (2x received voltage difference).

VHF : S9 = 5uV (-93dBm).

Japanese equipment often have S-meters which are indicating differently :

1 s-point = 3dB (2x transmitted power difference).

SW dBm	VHF dBm	IARU "S"	Japanese "S"
-73	-93	9	9
-79	-99	8	7
-85	-105	7	5
-91	-111	6	3
-97	-117	5	1
-103	-123	4	(0)
-109		3	(0)
-115		2	(0)
-121		1	(0)