

SPECIFICATION SHEET

JFW MODEL 75P-217

SOLID STATE PROGRAMMABLE ATTENUATOR

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Frequency Range 5-2150 MHz

Impedance 75 Ohms nominal

Attenuation Range 0-95 dB in 1 dB steps

Attenuation Steps 1, 2, 4, 8, 16, 32 and 32 dB

VSWR 2.0:1 maximum
< 1.6:1 typical 5-1218 MHz
< 1.8:1 typical 1218-2150 MHz

Attenuation Accuracy (guaranteed monotonic) ± 0.25 dB 1-8 dB
± 0.50 dB 9-16 dB
± 0.75 or 2% 17-95 dB
(whichever is greater)

Insertion Loss 5 dB maximum
2.0 dB typical @ 5 MHz
3.9 dB typical @ 1218 MHz
4.2 dB typical @ 1800 MHz
4.5 dB typical @ 2150 MHz

RF Input Power +23 dBm 5-100 MHz
+27 dBm 100-2150 MHz

Switching Speed 2 microseconds maximum
0.7 microseconds typical

DC Supply +5Vdc @ 2mA nominal

Control Logic (7 Lines) TTL Low for Thru Path
TTL High for Attenuation

DC Connector 3M #D2510-6002
(Mating Connector 3M #3473-6610)

RF Connector F, BNC, or N female

Operating Temperature Range -40°C to +85°C

Outline Drawing Number 092-8652-22 (75P-217 F)
092-8652-27 (75P-217 N)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/21/2017		CLK 02/21/2017	30626	08/31/2020	C	CLK 08/31/2020
29124	11/06/2018	A	CLK 11/06/2018				
29282	01/21/2019	B	CLK 01/21/2019				