

100657C

CI60-6-3.125/12.5/50 Pulse Expansion and Compression Switched Dispersive Filter Subsystem

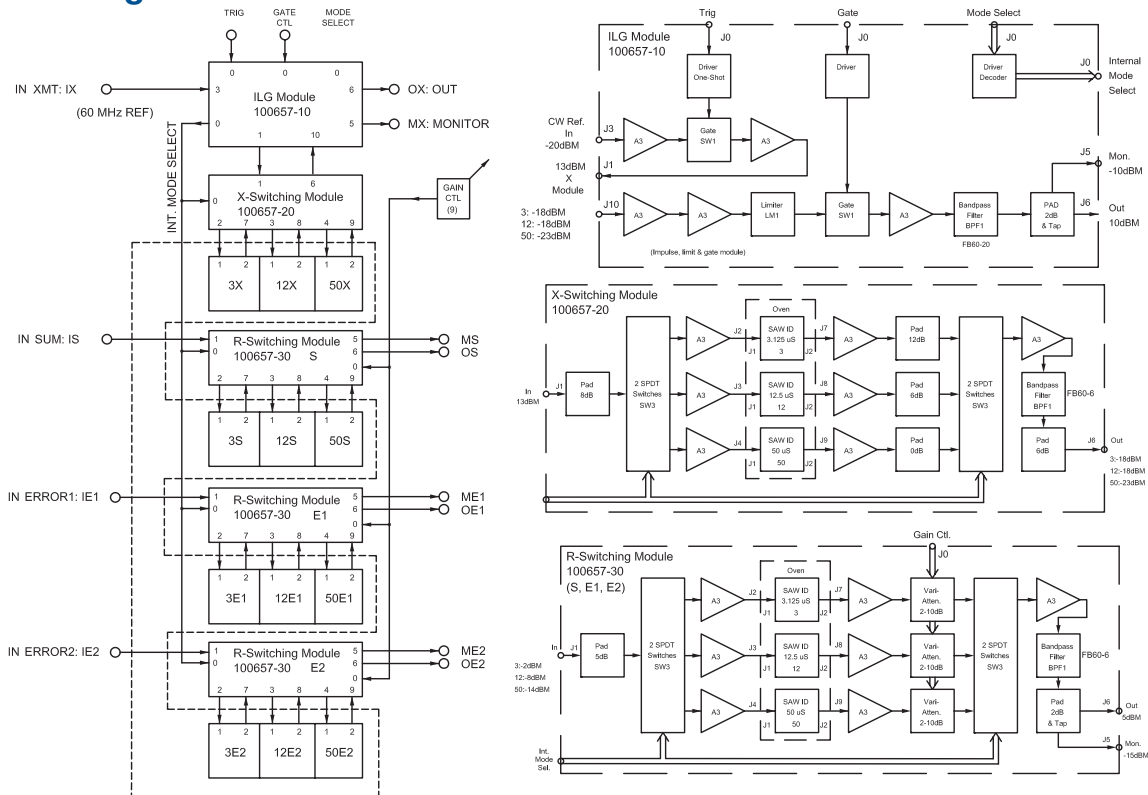
Specifications

Parameter	Symbol	Unit	100693	100694	100695	100696	100697	100698
Component			100693	100694	100695	100696	100697	100698
Center Frequency	F_0	MHz defined	60	60	60	60	60	60
Bandwidth	B	MHz defined	6	6	6	6	6	6
Dispersion	T	μsec defined	50	50	3.125	3.125	12.5	12.5
Delay	T_0	μsec typ	28.776	28.45	3.495	3.205	8.351	8.21
Slope	S_0	$\mu\text{s}/\text{MHz}$ typ	8.33	-8.33	0.52	-0.52	2.08	-2.08
Pulse Width at -3 dB		μsec max	0.14	0.229	0.12	0.218	0.135	0.214
Sidelobes for $ t - T_0 < T$		dB max		-33		-35		-31
Time Spurious for $ t - T_0 > T$		dB max		-60		-60		-60
Processing Gain		dB min		23		17		11
Noise Gain		dB min		-5		-5		-5
Power In for -1 dB Comp		dBm min		5		5		5
Dynamic Range		dB min		80		80		80
Return Loss		dB min	10					
DC Power	15V @ 2.5A, 5V @ 1A, Oven 24V @ 1A at 22°C, 2.5A Warmup							

Note

Switched Dispersive Filter Subsystem.

System Block Diagram

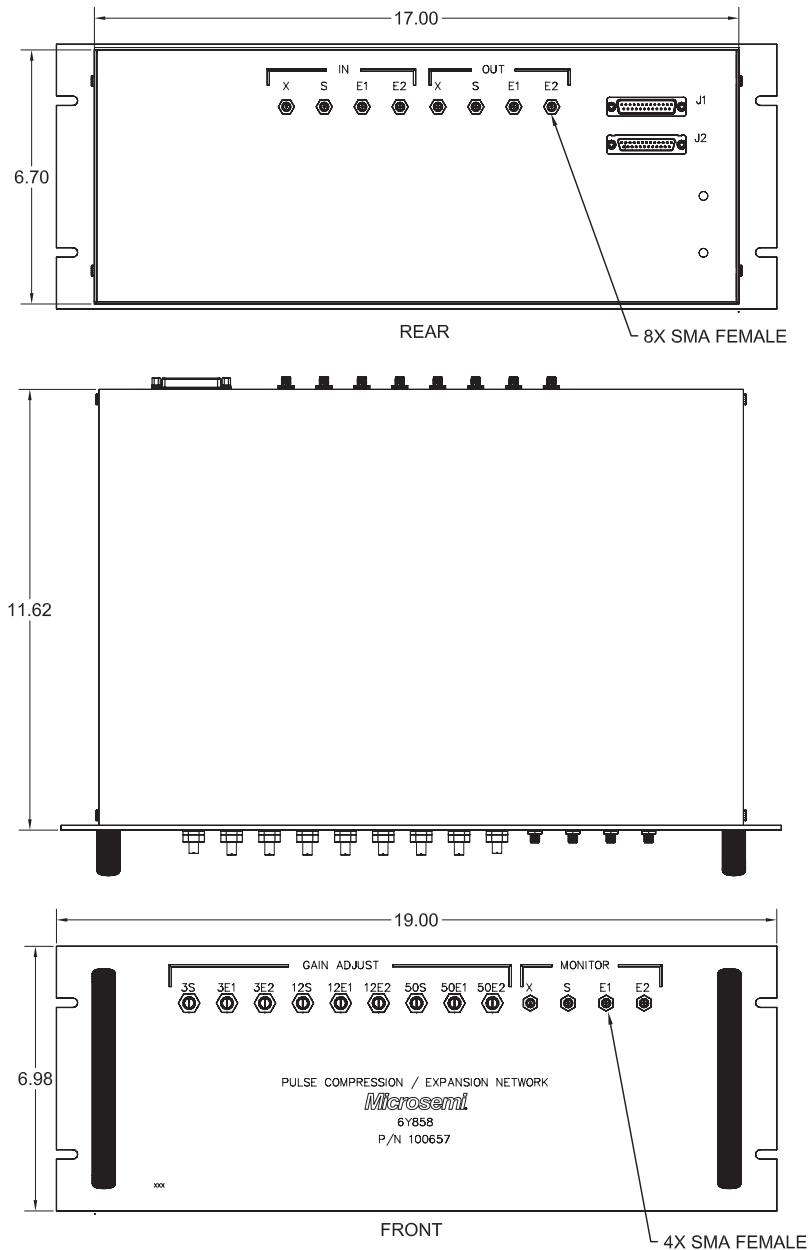


All SAWs are mounted in a Single Temperature Controlled Oven Module.

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Package Outline



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